


STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING						FORM 3 AMENDED REPORT <input checked="" type="checkbox"/>				
<b>APPLICATION FOR PERMIT TO DRILL</b>						1. WELL NAME and NUMBER Ouray Valley State 10-36-5-19E				
2. TYPE OF WORK DRILL NEW WELL <input checked="" type="checkbox"/> REENTER P&A WELL <input type="checkbox"/> DEEPEN WELL <input type="checkbox"/>						3. FIELD OR WILDCAT UNDESIGNATED				
4. TYPE OF WELL Oil Well Coalbed Methane Well: NO						5. UNIT or COMMUNITIZATION AGREEMENT NAME OURAY VALLEY				
6. NAME OF OPERATOR CRESCENT POINT ENERGY U.S. CORP						7. OPERATOR PHONE 720 880-3621				
8. ADDRESS OF OPERATOR 555 17th Street, Suite 750, Denver, CO, 80202						9. OPERATOR E-MAIL abaldwin@crestpointenergy.com				
10. MINERAL LEASE NUMBER (FEDERAL, INDIAN, OR STATE) ML-50608			11. MINERAL OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>			12. SURFACE OWNERSHIP FEDERAL <input type="checkbox"/> INDIAN <input type="checkbox"/> STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>				
13. NAME OF SURFACE OWNER (if box 12 = 'fee')						14. SURFACE OWNER PHONE (if box 12 = 'fee')				
15. ADDRESS OF SURFACE OWNER (if box 12 = 'fee')						16. SURFACE OWNER E-MAIL (if box 12 = 'fee')				
17. INDIAN ALLOTTEE OR TRIBE NAME (if box 12 = 'INDIAN')			18. INTEND TO COMMINGLE PRODUCTION FROM MULTIPLE FORMATIONS YES <input type="checkbox"/> (Submit Commingling Application) NO <input checked="" type="checkbox"/>			19. SLANT VERTICAL <input type="checkbox"/> DIRECTIONAL <input checked="" type="checkbox"/> HORIZONTAL <input type="checkbox"/>				
20. LOCATION OF WELL	FOOTAGES		QTR-QTR	SECTION	TOWNSHIP	RANGE	MERIDIAN			
LOCATION AT SURFACE	1975 FSL 2286 FEL		NWSE	36	5.0 S	19.0 E	S			
Top of Uppermost Producing Zone	1989 FSL 1979 FEL		NWSE	36	5.0 S	19.0 E	S			
At Total Depth	1989 FSL 1979 FEL		NWSE	36	5.0 S	19.0 E	S			
21. COUNTY UINTAH			22. DISTANCE TO NEAREST LEASE LINE (Feet) 1975		23. NUMBER OF ACRES IN DRILLING UNIT 40					
			25. DISTANCE TO NEAREST WELL IN SAME POOL (Applied For Drilling or Completed) 920		26. PROPOSED DEPTH MD: 10543 TVD: 10536					
27. ELEVATION - GROUND LEVEL 5255			28. BOND NUMBER LPM9080271		29. SOURCE OF DRILLING WATER / WATER RIGHTS APPROVAL NUMBER IF APPLICABLE 43-7478					
<b>Hole, Casing, and Cement Information</b>										
String	Hole Size	Casing Size	Length	Weight	Grade & Thread	Max Mud Wt.	Cement	Sacks	Yield	Weight
COND	24	16	0 - 40	65.0	H-40 ST&C	8.3	No Used	0	0.0	0.0
SURF	12.25	9.625	0 - 1000	36.0	J-55 ST&C	8.3	Class G	450	1.15	15.8
PROD	7.875	5.5	0 - 10543	17.0	P-110 LT&C	10.0	Light (Hibond)	295	3.66	10.5
							Class G	150	2.95	11.0
							Class G	495	1.65	13.0
<b>ATTACHMENTS</b>										
<b>VERIFY THE FOLLOWING ARE ATTACHED IN ACCORDANCE WITH THE UTAH OIL AND GAS CONSERVATION GENERAL RULES</b>										
<input checked="" type="checkbox"/> WELL PLAT OR MAP PREPARED BY LICENSED SURVEYOR OR ENGINEER					<input checked="" type="checkbox"/> COMPLETE DRILLING PLAN					
<input type="checkbox"/> AFFIDAVIT OF STATUS OF SURFACE OWNER AGREEMENT (IF FEE SURFACE)					<input type="checkbox"/> FORM 5. IF OPERATOR IS OTHER THAN THE LEASE OWNER					
<input checked="" type="checkbox"/> DIRECTIONAL SURVEY PLAN (IF DIRECTIONALLY OR HORIZONTALLY DRILLED)					<input checked="" type="checkbox"/> TOPOGRAPHICAL MAP					
NAME Lauren MacMillan			TITLE Regulatory Specialist			PHONE 303 382-6787				
SIGNATURE			DATE 10/11/2013			EMAIL lmacmillan@crestpointenergy.com				
API NUMBER ASSIGNED 43047540470000			APPROVAL  Permit Manager							

Crescent Point Energy U.S. Corp  
**Ouray Valley State 10-36-5-19E**  
 SHL & BHL: NW/SE of Section 36, T5S, R19E  
 SHL: 1975' FSL & 2286' FEL  
 BHL: 1989' FSL & 1979' FEL  
 Uintah County, Utah

## DRILLING PLAN

### 1-2. Geologic Surface Formation and Estimated Tops of Important Geologic Markers

Formation	Depth – TVD	Depth – MD
Uinta	Surface	Surface
Upper Green River Marker	6,396'	6,402'
Mahogany	6,780'	6,786'
Garden Gulch (TGR3)	7,948'	7,955'
Douglas Creek	8,393'	8,400'
Black Shale	8,588'	8,595'
Castle Peak	8,748'	8,755'
Uteland	8,911'	8,918'
Wasatch	9,036'	9,043'
TD	10,536'	10,543'

### 3. Estimated Depths of Anticipated Water, Oil, Gas Or Minerals

Green River Formation (Oil) 6,402' – 9,043'  
 Wasatch Formation (Oil) 9,043' – 10,543'

Fresh water may be encountered in the Uinta Formation, but would not be expected below 350'. All usable (>10,000 PPM TDS) water and prospectively valuable minerals (as described by BLM at onsite) encountered during drilling will be recorded by depth and adequately protected.

All water shows and water bearing geologic units will be reported to the geologic and engineering staff of the BLM Vernal Field Office prior to running the next string of casing or before plugging orders are requested. Usage of the State of Utah form *Report of Water Encountered* is acceptable, but not required. All water shows must be reported within one (1) business day after being encountered. Detected water flows shall be sampled, analyzed, and reported to the geologic and engineering staff at the Vernal Field Office. The BLM may request additional water samples for further analysis.

The following information is requested for water shows and samples where applicable:

Location & Sample Interval	Date Sampled
Flow Rate	Temperature
Hardness	pH
Water Classification (State of Utah)	Dissolved Calcium (Ca) (mg/l)
Dissolved Iron (Fe) (ug/l)	Dissolved Sodium (Na) (mg/l)
Dissolved Magnesium (Mg) (mg/l)	Dissolved Carbonate (CO <sub>3</sub> ) (mg/l)
Dissolved Bicarbonate (NaHCO <sub>3</sub> ) (mg/l)	Dissolved Chloride (Cl) (mg/l)
Dissolved Sulfate (SO <sub>4</sub> ) (mg/l)	Dissolved Total Solids (TDS) (mg/l)

4. Proposed Casing & Cementing Program*Casing Design:*

Size	Interval		Weight	Grade	Coupling	Design Factors		
	Top	Bottom				Burst	Collapse	Tension
<b>Conductor</b> <b>16"</b> <b>Hole Size 24"</b>	0'	40'	65	H-40	STC	1,640	670	439
<b>Surface casing</b> <b>9-5/8"</b> <b>Hole Size 12-1/4"</b>	0'	1000'	36	J-55	STC	3,520	2,020	394,000
<b>Prod casing</b> <b>5-1/2"</b> <b>Hole Size 7-7/8"</b>	0'	10,543'	17	P-110	LTC	10,640	7,460	445,000
						3.07	2.15	2.40

*Assumptions:*

1. Surface casing max anticipated surface pressure (MASP) = Frac gradient – gas gradient
2. Production casing MASP (production mode) = Pore pressure – gas gradient
3. All collapse calculations assume fully evacuated casing w/gas gradient
4. All tension calculations assume air weight

Frac gradient at surface casing shoe = 10.0 ppg  
 Pore pressure at surface casing shoe = 8.33 ppg  
 Pore pressure at prod casing shoe = 8.33 ppg  
 Gas gradient = 0.115 psi/ft

*Minimum Safety Factors:*

Burst = 1.000  
 Collapse = 1.125  
 Tension = 1.800

All casing shall be new or, if used, inspected and tested. Used casing shall meet or exceed API standards for new casing.

All casing strings shall have a minimum of one (1) centralizer per joint on the bottom three joints.

*Cementing Design:*

Job	Fill	Description	Excess	Sacks	Weight (ppg)	Yield (ft <sup>3</sup> /sk)
Surface casing	1000' - surface	Class V 2% chlorides	100%	450	15.8	1.15
Prod casing Lead	4500' to Surface	Hifill Class V 3% chlorides	45% in open-hole 0% in Cased hole	295	10.5	3.66
Prod casing Lead	6500' to 4500'	Hifill Class V 3% chlorides	25%	150	11.0	2.95
Prod casing Tail	TD to 6500'	Class G 10% chlorides	15%	495	13.0	1.65

\*Actual volume pumped will have excess over gauge hole or caliper log if available

- Compressive strength of tail cement: 500 psi @ 7 hours

Waiting On Cement: A minimum of four (4) hours shall elapse prior to attempting any pressure testing of the BOP equipment which would subject the surface casing cement to pressure, and a minimum of six (6) hours shall elapse before drilling out of the wiper plug, cement, or shoe. WOC time shall be recorded in the Driller's Log. Compressive strength shall be a minimum of 500 psi prior to drilling out.

The Vernal BLM office shall be notified, with sufficient lead time, in order to have a BLM representative on location while running all casing strings and cementing.

The 9-5/8" surface casing shall in all cases be cemented back to surface. In the event that during the primary surface cementing operation the cement does not circulate to surface, or if the cement level should fall back more than 8 feet from surface, then a remedial surface cementing operation shall be performed to insure adequate isolation and stabilization of the surface casing.

The production casing cementing program shall be conducted as approved to protect and/or isolate all usable water zones, potentially productive zones, lost circulation zones, abnormally pressured zones, and any prospectively valuable deposits of minerals. Production casing will be pumped as a single-stage cement job (no DV tool).

As a minimum, usable water zones shall be isolated and/or protected by having a cement top for the production casing at least 200 feet above the base of the usable water. If gilsonite is encountered while drilling, it shall be isolated and/or protected via the cementing program.

Top plugs shall be used to reduce contamination of cement by displacement fluid. A Tuned spacer will be used to prevent contamination of the lead cement by the drilling mud.

All casing strings below the conductor shall be pressure tested to 0.22 psi per foot of casing string length or to 1500 psi, whichever is greater, but not to exceed 70% of the minimum internal yield. If pressure declines more than 10% in 30 minutes, corrective action shall be taken.

A Form 3160-5, "Sundry Notices and Reports on Wells" shall be filed with the Vernal Field Office within 30 days after the work is completed. This report must include the following information:



Setting of each string of casing showing the size, grade, weight of casing set, depth, amounts and type of cement used, whether cement circulated of the top of the cement behind the casing, depth of the cementing tools used, casing method and results, and the date of the work done. Spud date will be shown on the first reports submitted.

5. Drilling Fluids Program

The Conductor section (from 0' to 40') will be drilled by Auger and final depth determined by when the black shale is encountered with a minimum depth of 40'.

The surface interval will then be drilled to  $\pm 1000'$  with air/mist system. The air rig is equipped with a 6 ½" blooie line that is straight run to the reserve pit. A variance is in request for this operation. The request can be found in Section 12 of this plan.

From  $\pm 1000'$  to TD, a brine water system will be utilized. Clay inhibition and hole stability will be achieved with a polymer (DAP) additive; the reserve pit will be lined to address this additive. This brine water system will typically contain Total Dissolved Solids (TDS) of less than 3000 PPM. Anticipated mud weight is 9.5 lbs/gal. If it is necessary to control formation fluids or pressure, the system will be weighted with the addition of brine, and if pressure conditions warrant, barite and/or calcium carbonate will be used as a weighting agent. There will be enough weighting agent on location to increase the entire system to 11.0 ppg MW.

No chromate additives will be used in the mud system on Federal and/or Indian lands without prior BLM approval to ensure adequate protection of fresh water aquifers.

No chemicals subject to reporting under SARA Title III in an amount equal to or greater than 10,000 pounds will be used, produced, stored, transported, or disposed of annually in association with the drilling, testing, or completing of this well. Furthermore, no extremely hazardous substances, as defined in 40 CFR 355, in threshold planning quantities, will be used, produced, stored, transported, or disposed of in association with the drilling, testing, or completing of this well.

Hazardous substances specifically listed by the EPA as a hazardous waste or demonstrating characteristics of a hazardous waste will not be used in drilling, testing, or completion operations.

Crescent Point Energy will visually monitor pit levels and flow from the well during drilling operations.

6. Minimum Specifications for Pressure Control

A 5,000 psi BOP system or better will be used on this well. All equipment will be installed and tested per Onshore Order No. 2.

The configuration is as follows:

- Float in drillstring
- Inside BOP or safety valve
- Safety valve with same pipe threading
- Rotating Head below rotary table
- Fillup line
- 11" Annular Preventer – rated to 5,000 psi minimum
- 11" bore, 4-1/2" pipe ram – rated to 5,000 psi minimum
- 11" bore, Blind Ram – rated to 5,000 psi minimum
- 11" bore Drilling Spool with 2 side outlets (Choke side at 3" minimum & Kill side at 2" minimum)

- 2 Kill line valves at 2" minimum – one with a check valve
- Kill line at 2" minimum
- 2 Choke line valves at 3" minimum
- Choke line at 3" minimum
- 2 adjustable chokes on manifold
- Pressure gauge on choke manifold

#### 7. BOPE Test Criteria

A Function Test of the Ram BOP equipment shall be made every trip and annular preventer every week. All required BOP tests and/or drills shall be recorded in the Driller's Report.

Chart recorders will be used for all pressure tests. Test charts, with individual test results identified, shall be maintained on location while drilling and shall be made available to BLM representatives upon request.

At a minimum, the Annular preventer will be tested to 50% of its rating for ten minutes. All other equipment (Rams, valves, manifold) will be tested at 5,000 psi for 10 minutes with a test plug. If rams are to be changed for any reason post drillout, the rams will be tested to 70% of surface casing internal yield.

At a minimum, the above pressure tests will be performed when such conditions exist:

- BOP's are initially installed
- Whenever a seal subject to pressure test is broken
- Following repairs to the BOPs
- Every 30 days

#### 8. Accumulator

The Accumulator will have sufficient capacity to open the hydraulically-controlled choke line valve (HCR), close both rams and annular preventer as well maintain 200 psi above nitrogen precharge of the accumulator without use of accumulator pumps. The fluid reservoir volume will be double the usable volume of the accumulator system. The fluid level will be maintained per manufacturer's specifications.

The BOP system will have 2 independent power sources to close both rams and annular preventer, while opening HCR. Nitrogen bottles will be 1 source and electric and/or air powered pumps will be the other.

The accumulator precharge will be conducted every 6 months and maintained to be within the specifications of Onshore Order No. 2

A manual locking device or automatic locking device will be installed on both ram preventers and annular preventer.

Remote controls will be readily accessible to the driller and be capable of closing all preventers. Main controls will be available to allow full functioning of all preventers and HCR.

#### 9. Testing, Logging and Coring Programs

The logging program will consist of a Gamma Ray log from TD to base of surface casing @ +/- 1100'. A cement bond log will be run from PBTD to top of cement. No drill stem testing or coring is planned for this well.

10. Anticipated Abnormal Pressures or Temperature

No abnormal temperatures or pressures are anticipated. No hydrogen sulfide has been encountered or is known to exist from previous wells drilled to similar depths in this area.

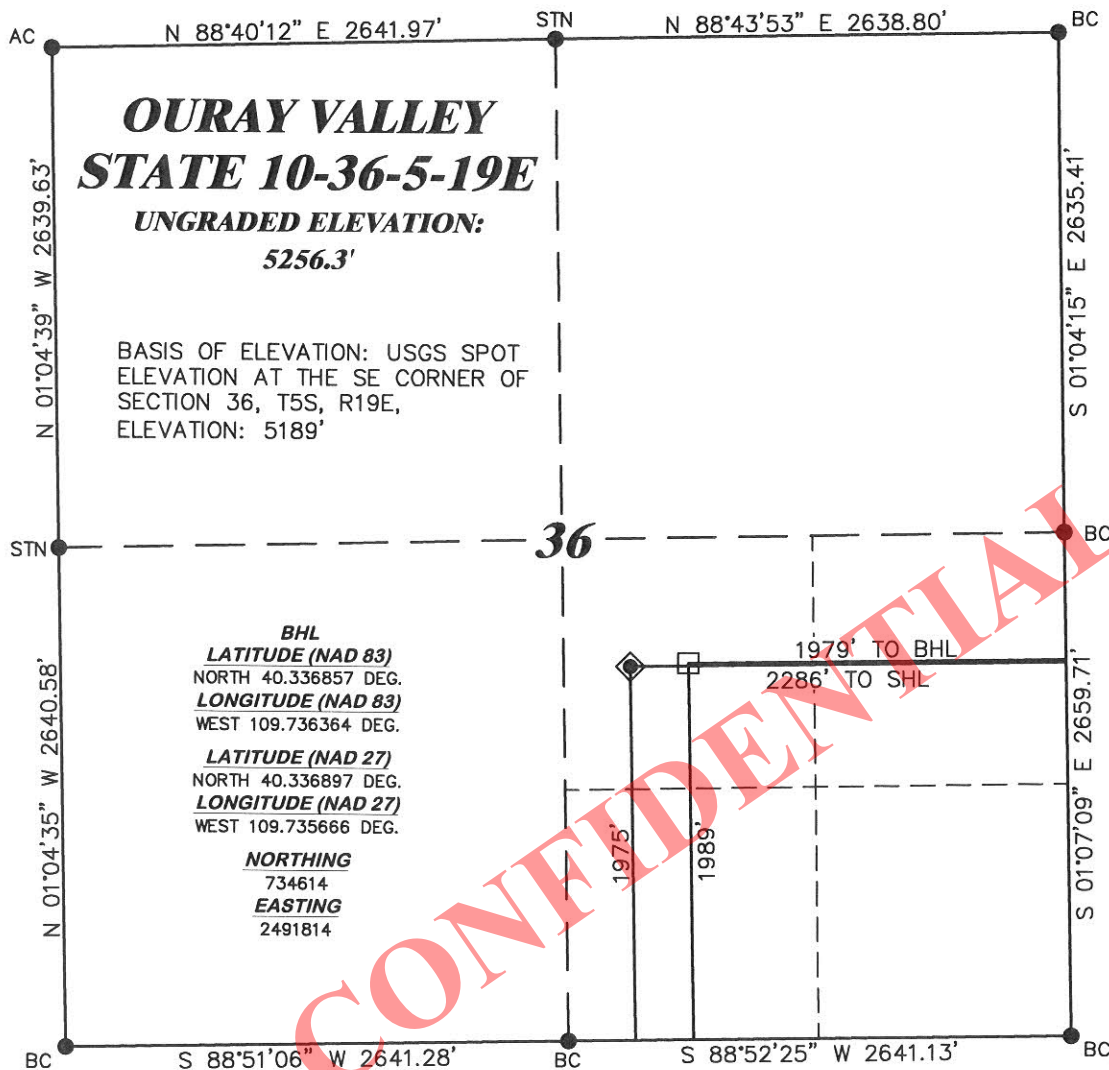
Maximum anticipated bottomhole pressure will be approximately equal to total depth in feet multiplied by a 0.52 psi/ft gradient, and a maximum anticipated surface pressure will be approximately equal to the bottomhole pressure calculated minus the pressure of a partially evacuated hole calculated at a 0.22 psi/foot gradient.

11. Anticipated Starting Date and Duration of Operations

It is anticipated that drilling operations will commence as soon as possible after approval is given and take approximately ten (10) days from spud to rig release and two weeks for completions.

12. Variances Requested from Onshore Order No. 2

1. A diverter is utilized for surface air drilling, rather than a lubricated rotating head.
2. The blooie line is 45 ft from the wellbore rather than 100 ft and is not anchored down.
3. The blooie line is not equipped with an automatic igniter or continuous pilot light.
4. The compressor is located on the rig itself and not 100 ft from the wellbore.
5. The requirement for an Formation Integrity Test (FIT) or a Leak Off Test (LOT)

**R. 19 E.**

SCALE 1" = 1000'

**T. 5 S.**

**LATITUDE (NAD 83)**  
NORTH 40.336818 DEG.  
**LONGITUDE (NAD 83)**  
WEST 109.737466 DEG.

**LATITUDE (NAD 27)**  
NORTH 40.336858 DEG.  
**LONGITUDE (NAD 27)**  
WEST 109.736768 DEG.

**NORTHING**  
734594.02

**EASTING**  
2491506.81

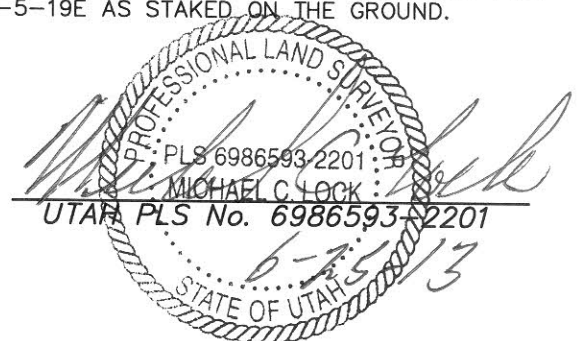
**DATUM**  
SPCS UTC (NAD 27)

**SURVEYOR'S STATEMENT**

I, MICHAEL C. LOCK, OF ROCK SPRINGS, WYOMING, HEREBY STATE: THIS MAP WAS MADE FROM NOTES TAKEN DURING AN ACTUAL FIELD SURVEY DONE UNDER MY DIRECT SUPERVISION ON JUNE 5, 2013 AND THAT THIS PLAT CORRECTLY SHOWS THE LOCATION OF OURAY VALLEY STATE 10-36-5-19E AS STAKED ON THE GROUND.

**LEGEND**

- ◆ WELL LOCATION
- BOTTOM HOLE LOC. (APPROX)
- FOUND MONUMENT
- CALCULATED MONUMENT



**DRG** RIFFIN & ASSOCIATES, INC.  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

**PLAT OF DRILLING LOCATION  
FOR  
CRESCENT POINT ENERGY**

**1975' F/SL & 2286' F/EL, NWSE, SECTION 36,  
T. 5 S., R. 19 E., S.L.B.&M.  
UINTAH COUNTY, UTAH**

DRAWN: 6/7/13 - TMH

SCALE: 1" = 1000'

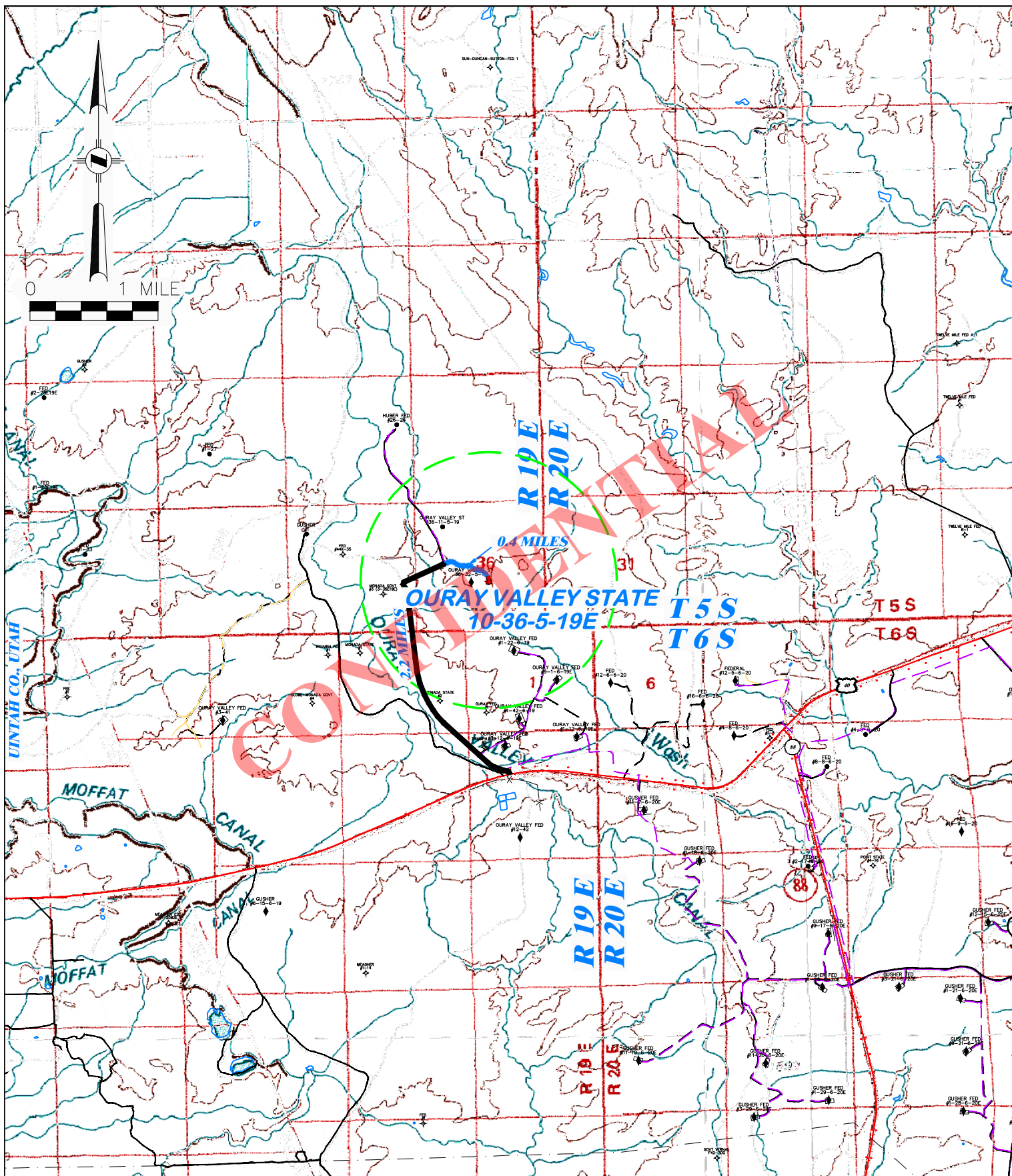
REVISED: 6/24/13 - TMH

DRG JOB No. 19889

ADD BHL

EXHIBIT 1




**RIFFIN & ASSOCIATES, INC.**

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

SCALE: 1" = MILE

REVISED: NA

DRG JOB No. 19889

TOPO A

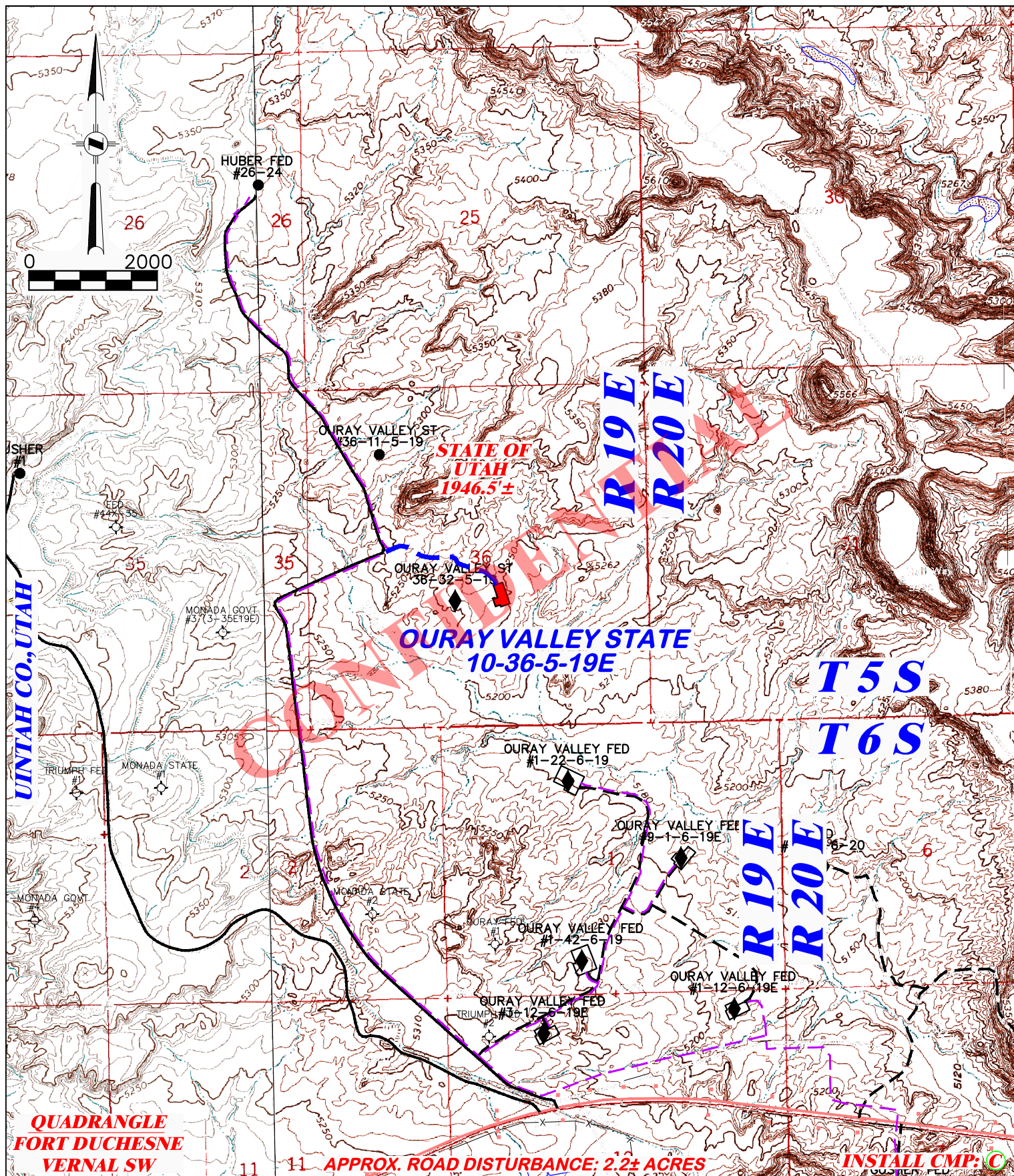
**PROPOSED ACCESS FOR  
CRESCENT POINT ENERGY  
OURAY VALLEY STATE 10-36-5-19E  
SECTION 36, T5S, R19E**

PROPOSED ROAD

EXISTING ROAD

RECEIVED: October 11, 2013





**DRG RIFFIN & ASSOCIATES, INC.**  
(307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

SCALE: 1" = 2000'

REVISED: NA

DRG JOB No. 19889

TOPO B

**PROPOSED ROAD FOR**  
**CRESCENT POINT ENERGY**  
**OURAY VALLEY STATE 10-36-5-19E**  
**SECTION 36, T5S, R19E**

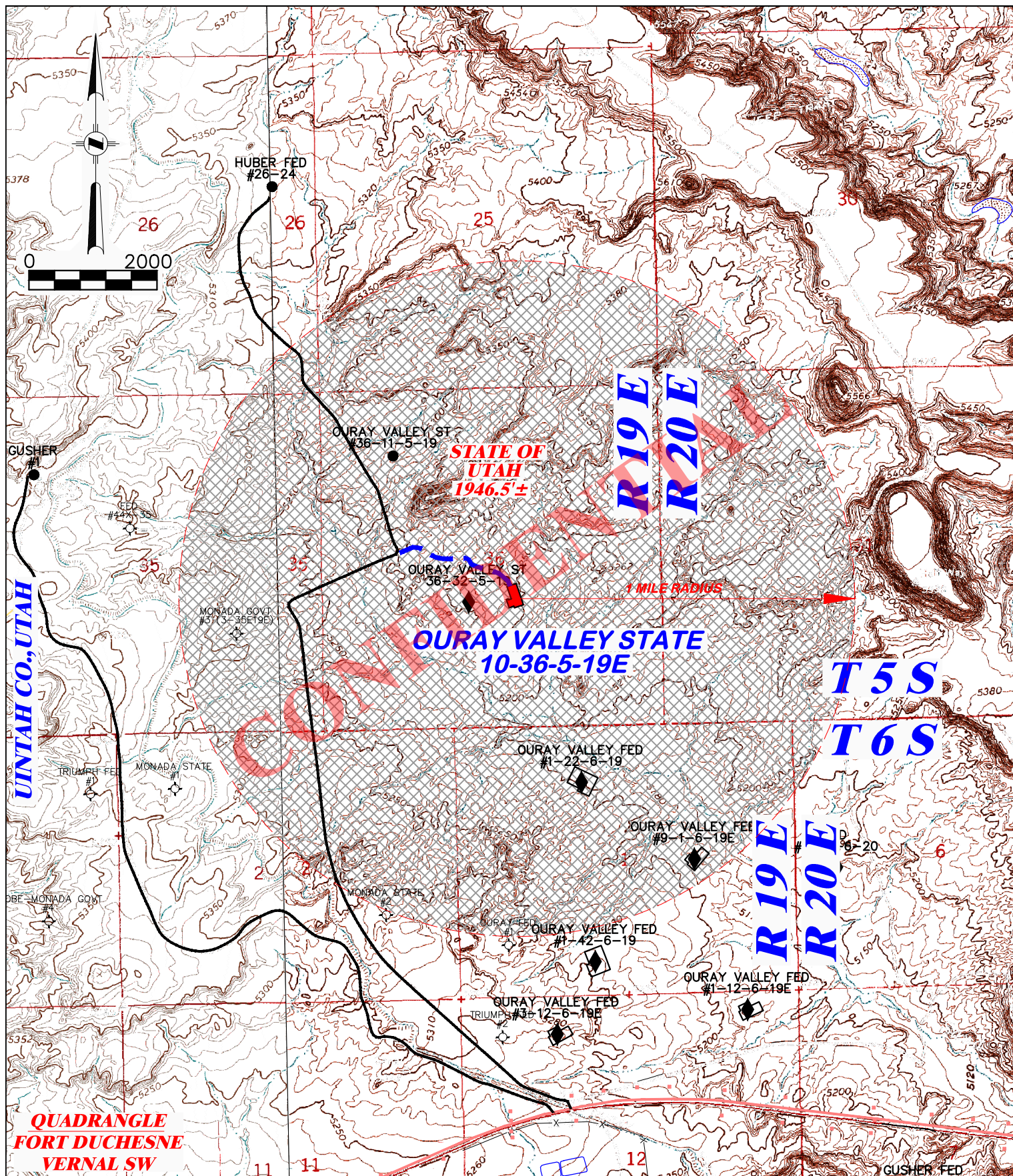
TOTAL PROPOSED LENGTH: 1946.5±

PROPOSED ROAD — — — — —

EXISTING ROAD —————

RECEIVED: October 11, 2013




**RIFFIN & ASSOCIATES, INC.**

(307) 362-5028

1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

SCALE: 1" = 2000'

REVISED: NA

DRG JOB No. 19889

TOPO C


**ONE MILE RADIUS FOR  
CRESCENT POINT ENERGY  
OURAY VALLEY STATE 10-36-5-19E  
SECTION 36, T5S, R19E**

PROPOSED ROAD — — — — —

EXISTING ROAD —————

RECEIVED: October 11, 2013





**DRG**

**RIFFIN & ASSOCIATES, INC.**

**(307) 362-5028      1414 ELK ST., ROCK SPRINGS, WY 82901**

<b>DRAWN: 6/7/13 - TMH</b>	<b>SCALE: 1" = 2000'</b>
<b>REVISED: NA</b>	<b>DRG JOB No. 19889</b>
	<b>TOPO D</b>

**PROPOSED PIPELINE FOR  
CRESCENT POINT ENERGY  
OURAY VALLEY STATE 10-36-5-19E  
SECTION 36, T5S, R19E**

**TOTAL PROPOSED LENGTH: 1850.1'±**

**PROPOSED PIPELINE**    **EXISTING ROAD** 

RECEIVED: October 11, 2013





## **Crescent Point Energy Corp.**

**Sec. 36 T5S R19E**

**Ouray Valley State 10-36-5-19E**

**Ouray Valley State 10-36-5-19E**

**Wellbore #1**

**Plan: Plan #1 05Oct13 kjs**

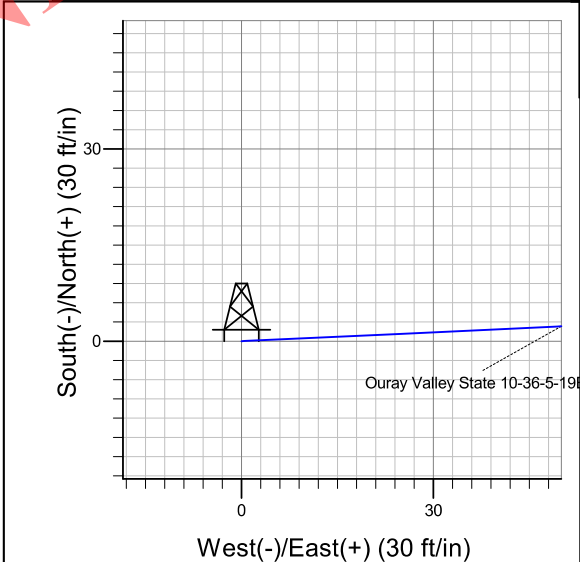
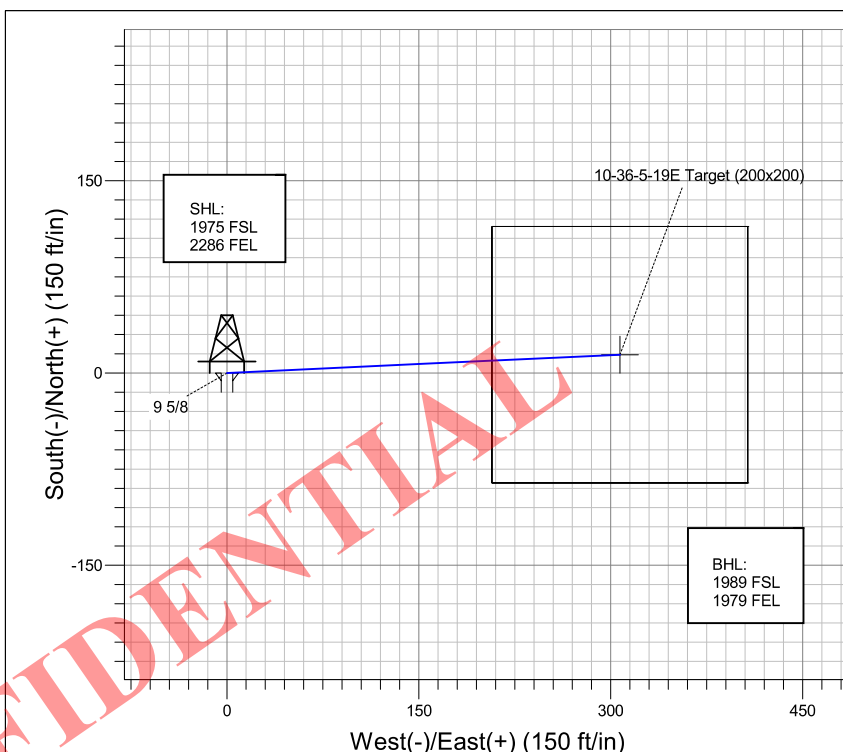
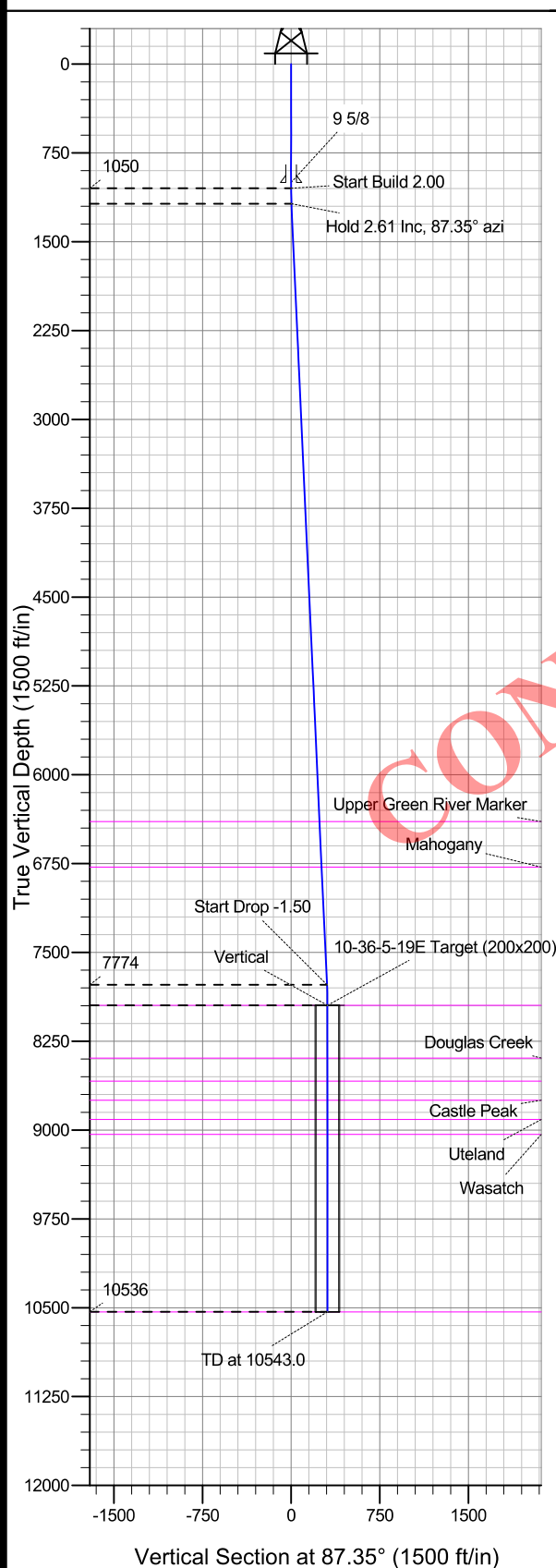
## **Standard Planning Report - Geographic**

**06 October, 2013**

API Well Number: 43047540470000


  
Crescent Point
   
ENERGY CORP

Well Name: Ouray Valley State 10-36-5-19E  
 Surface Location: Ouray Valley State 10-36-5-19E  
 North American Datum 1983 , US State Plane 1983 , Utah Northern Zone  
 Ground Elevation: 5255.0  
 +N/-S +E/-W Northing Easting Latitude Longitude Slot  
 0.0 0.0 3287086.35 2131785.86 40° 20' 12.545 N 109° 44' 14.878 W



Project: Sec. 36 T5S R19E  
 Site: Ouray Valley State 10-36-5-19E  
 Well: Ouray Valley State 10-36-5-19E  
 Plan: Plan #1 05Oct13 kjs

**M**  
 Azimuths to True North  
 Magnetic North: 10.93°  
 Magnetic Field  
 Strength: 52249.6snT  
 Dip Angle: 66.04°  
 Date: 9/25/2013  
 Model: IGRF2010

## FORMATION TOP DETAILS

TVDPath	MDPath	Formation
6396.0	6401.5	Upper Green River Marker
6780.0	6785.9	Mahogany
7948.0	7955.0	Gardner Gulch (TGR3)
8393.0	8400.0	Douglas Creek
8588.0	8595.0	Black Shale
8748.0	8755.0	Castle Peak
8911.0	8918.0	Uteland
9036.0	9043.0	Wasatch

## SECTION DETAILS

Sec	MD	Inc	Azi	TVD	+N/-S	+E/-W	DLeg	TFace	VSec	Target
1	0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.0	
2	1050.0	0.00	0.00	1050.0	0.0	0.0	0.00	0.00	0.0	
3	1180.5	2.61	87.35	1180.5	0.1	3.0	2.00	87.35	3.0	
4	7780.9	2.61	87.35	7774.0	14.0	303.3	0.00	0.00	303.6	
5	7955.0	0.00	0.00	7948.0	14.2	307.2	1.50	180.00	307.6	10-36-5-19E Target (200x200)
6	10543.0	0.00	0.00	10536.0	14.2	307.2	0.00	0.00	307.6	

## ANNOTATIONS

TVD	MD	Annotation
1050.0	1050.0	Start Build 2.00
1180.5	1180.5	Hold 2.61 Inc, 87.35° azi
7774.0	7780.9	Start Drop -1.50
7948.0	7955.0	Vertical
10536.0	10543.0	TD at 10543.0

RECEIVED: October 11, 2013



**New Tech**  
Planning Report - Geographic

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Company:</b>	Crescent Point Energy Corp.	<b>TVD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Project:</b>	Sec. 36 T5S R19E	<b>MD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 05Oct13 kjs		

<b>Project</b>	Sec. 36 T5S R19E, Uintah County, Utah		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Northern Zone		

Site	Ouray Valley State 10-36-5-19E				
Site Position:		Northing:	3,287,086.35 ft	Latitude:	40° 20' 12.545 N
From:	Lat/Long	Easting:	2,131,785.86 ft	Longitude:	109° 44' 14.878 W
Position Uncertainty:	0.0 ft	Slot Radius:	"	Grid Convergence:	1.16 °

Well	Ouray Valley State 10-36-5-19E					
Well Position	+N/-S	0.0 ft	Northing:	3,287,086.35 ft	Latitude:	40° 20' 12.545 N
	+E/-W	0.0 ft	Easting:	2,131,785.86 ft	Longitude:	109° 44' 14.878 W
Position Uncertainty		0.0 ft	Wellhead Elevation:	ft	Ground Level:	5,255.0 ft

<b>Wellbore</b>	Wellbore #1				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination</b>	<b>Dip Angle</b>	<b>Field Strength</b>
			(°)	(°)	(nT)
	IGRF2010	9/25/2013	10.93	66.04	52,250

<b>Design</b>	Plan #1 05Oct13 kjs				
<b>Audit Notes:</b>					
<b>Version:</b>	<b>Phase:</b>	PLAN		<b>Tie On Depth:</b>	0.0
<b>Vertical Section:</b>	<b>Depth From (TVD)</b>	<b>+N/-S</b>	<b>+E/-W</b>	<b>Direction</b>	
	(ft)	(ft)	(ft)	(°)	
	0.0	0.0	0.0	87.35	

<b>Plan Sections</b>										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Dogleg Rate (°/100ft)	Build Rate (°/100ft)	Turn Rate (°/100ft)	TFO (°)	Target
0.0	0.00	0.00	0.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,050.0	0.00	0.00	1,050.0	0.0	0.0	0.00	0.00	0.00	0.00	
1,180.5	2.61	87.35	1,180.5	0.1	3.0	2.00	2.00	0.00	87.35	
7,780.9	2.61	87.35	7,774.0	14.0	303.3	0.00	0.00	0.00	0.00	
7,955.0	0.00	0.00	7,948.0	14.2	307.2	1.50	-1.50	0.00	180.00	10-36-5-19E Target (°)
10,543.0	0.00	0.00	10,536.0	14.2	307.2	0.00	0.00	0.00	0.00	

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Company:</b>	Crescent Point Energy Corp.	<b>TVD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Project:</b>	Sec. 36 T5S R19E	<b>MD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 05Oct13 kjs		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
0.0	0.00	0.00	0.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
200.0	0.00	0.00	200.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
400.0	0.00	0.00	400.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
600.0	0.00	0.00	600.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
800.0	0.00	0.00	800.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
1,000.0	0.00	0.00	1,000.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
<b>9 5/8</b>									
1,050.0	0.00	0.00	1,050.0	0.0	0.0	3,287,086.35	2,131,785.86	40° 20' 12.545 N	109° 44' 14.878 W
<b>Start Build 2.00</b>									
1,180.5	2.61	87.35	1,180.5	0.1	3.0	3,287,086.54	2,131,788.83	40° 20' 12.546 N	109° 44' 14.839 W
<b>Hold 2.61 Inc, 87.35° azi</b>									
1,200.0	2.61	87.35	1,199.9	0.2	3.9	3,287,086.60	2,131,789.72	40° 20' 12.547 N	109° 44' 14.828 W
1,400.0	2.61	87.35	1,399.7	0.6	13.0	3,287,087.21	2,131,798.81	40° 20' 12.551 N	109° 44' 14.710 W
1,600.0	2.61	87.35	1,599.5	1.0	22.1	3,287,087.81	2,131,807.89	40° 20' 12.555 N	109° 44' 14.593 W
1,800.0	2.61	87.35	1,799.3	1.4	31.2	3,287,088.42	2,131,816.98	40° 20' 12.559 N	109° 44' 14.475 W
2,000.0	2.61	87.35	1,999.1	1.9	40.3	3,287,089.02	2,131,826.07	40° 20' 12.563 N	109° 44' 14.358 W
2,200.0	2.61	87.35	2,198.9	2.3	49.4	3,287,089.63	2,131,835.16	40° 20' 12.567 N	109° 44' 14.240 W
2,400.0	2.61	87.35	2,398.7	2.7	58.5	3,287,090.24	2,131,844.25	40° 20' 12.571 N	109° 44' 14.123 W
2,600.0	2.61	87.35	2,598.5	3.1	67.6	3,287,090.84	2,131,853.34	40° 20' 12.576 N	109° 44' 14.005 W
2,800.0	2.61	87.35	2,798.3	3.5	76.7	3,287,091.45	2,131,862.43	40° 20' 12.580 N	109° 44' 13.888 W
3,000.0	2.61	87.35	2,998.1	4.0	85.8	3,287,092.05	2,131,871.52	40° 20' 12.584 N	109° 44' 13.770 W
3,200.0	2.61	87.35	3,197.9	4.4	94.9	3,287,092.66	2,131,880.61	40° 20' 12.588 N	109° 44' 13.653 W
3,400.0	2.61	87.35	3,397.7	4.8	104.0	3,287,093.26	2,131,889.70	40° 20' 12.592 N	109° 44' 13.535 W
3,600.0	2.61	87.35	3,597.4	5.2	113.1	3,287,093.87	2,131,898.79	40° 20' 12.596 N	109° 44' 13.418 W
3,800.0	2.61	87.35	3,797.2	5.7	122.2	3,287,094.47	2,131,907.88	40° 20' 12.601 N	109° 44' 13.300 W
4,000.0	2.61	87.35	3,997.0	6.1	131.3	3,287,095.08	2,131,916.97	40° 20' 12.605 N	109° 44' 13.183 W
4,200.0	2.61	87.35	4,196.8	6.5	140.4	3,287,095.68	2,131,926.06	40° 20' 12.609 N	109° 44' 13.065 W
4,400.0	2.61	87.35	4,396.6	6.9	149.5	3,287,096.29	2,131,935.15	40° 20' 12.613 N	109° 44' 12.948 W
4,600.0	2.61	87.35	4,596.4	7.3	158.6	3,287,096.89	2,131,944.24	40° 20' 12.617 N	109° 44' 12.830 W
4,800.0	2.61	87.35	4,796.2	7.8	167.7	3,287,097.50	2,131,953.33	40° 20' 12.621 N	109° 44' 12.713 W
5,000.0	2.61	87.35	4,996.0	8.2	176.8	3,287,098.11	2,131,962.42	40° 20' 12.626 N	109° 44' 12.595 W
5,200.0	2.61	87.35	5,195.8	8.6	185.9	3,287,098.71	2,131,971.50	40° 20' 12.630 N	109° 44' 12.478 W
5,400.0	2.61	87.35	5,395.6	9.0	195.0	3,287,099.32	2,131,980.59	40° 20' 12.634 N	109° 44' 12.360 W
5,600.0	2.61	87.35	5,595.4	9.4	204.1	3,287,099.92	2,131,989.68	40° 20' 12.638 N	109° 44' 12.243 W
5,800.0	2.61	87.35	5,795.2	9.9	213.2	3,287,100.53	2,131,998.77	40° 20' 12.642 N	109° 44' 12.125 W
6,000.0	2.61	87.35	5,995.0	10.3	222.3	3,287,101.13	2,132,007.86	40° 20' 12.646 N	109° 44' 12.008 W
6,200.0	2.61	87.35	6,194.7	10.7	231.4	3,287,101.74	2,132,016.95	40° 20' 12.650 N	109° 44' 11.890 W
6,400.0	2.61	87.35	6,394.5	11.1	240.5	3,287,102.34	2,132,026.04	40° 20' 12.655 N	109° 44' 11.773 W
6,401.5	2.61	87.35	6,396.0	11.1	240.5	3,287,102.35	2,132,026.11	40° 20' 12.655 N	109° 44' 11.772 W
<b>Upper Green River Marker</b>									
6,600.0	2.61	87.35	6,594.3	11.5	249.6	3,287,102.95	2,132,035.13	40° 20' 12.659 N	109° 44' 11.655 W
6,785.9	2.61	87.35	6,780.0	11.9	258.0	3,287,103.51	2,132,043.58	40° 20' 12.663 N	109° 44' 11.546 W
<b>Mahogany</b>									
6,800.0	2.61	87.35	6,794.1	12.0	258.7	3,287,103.55	2,132,044.22	40° 20' 12.663 N	109° 44' 11.538 W
7,000.0	2.61	87.35	6,993.9	12.4	267.8	3,287,104.16	2,132,053.31	40° 20' 12.667 N	109° 44' 11.420 W
7,200.0	2.61	87.35	7,193.7	12.8	276.9	3,287,104.76	2,132,062.40	40° 20' 12.671 N	109° 44' 11.303 W
7,400.0	2.61	87.35	7,393.5	13.2	286.0	3,287,105.37	2,132,071.49	40° 20' 12.675 N	109° 44' 11.185 W
7,600.0	2.61	87.35	7,593.3	13.6	295.1	3,287,105.98	2,132,080.58	40° 20' 12.680 N	109° 44' 11.068 W
7,780.9	2.61	87.35	7,774.0	14.0	303.3	3,287,106.52	2,132,088.80	40° 20' 12.683 N	109° 44' 10.962 W
<b>Start Drop -1.50</b>									
7,800.0	2.32	87.35	7,793.1	14.1	304.1	3,287,106.58	2,132,089.62	40° 20' 12.684 N	109° 44' 10.951 W
7,955.0	0.00	0.00	7,948.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Vertical - Garder Gulch (TGR3) - 10-36-5-19E Target (200x200)</b>									



## New Tech

### Planning Report - Geographic

<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Company:</b>	Crescent Point Energy Corp.	<b>TVD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Project:</b>	Sec. 36 T5S R19E	<b>MD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 05Oct13 kjs		

Planned Survey									
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Map Northing (ft)	Map Easting (ft)	Latitude	Longitude
8,000.0	0.00	0.00	7,993.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
8,200.0	0.00	0.00	8,193.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
8,400.0	0.00	0.00	8,393.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Douglas Creek</b>									
8,595.0	0.00	0.00	8,588.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Black Shale</b>									
8,600.0	0.00	0.00	8,593.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
8,755.0	0.00	0.00	8,748.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Castle Peak</b>									
8,800.0	0.00	0.00	8,793.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
8,918.0	0.00	0.00	8,911.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Uteland</b>									
9,000.0	0.00	0.00	8,993.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
9,043.0	0.00	0.00	9,036.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>Wasatch</b>									
9,200.0	0.00	0.00	9,193.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
9,400.0	0.00	0.00	9,393.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
9,600.0	0.00	0.00	9,593.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
9,800.0	0.00	0.00	9,793.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
10,000.0	0.00	0.00	9,993.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
10,200.0	0.00	0.00	10,193.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
10,400.0	0.00	0.00	10,393.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
10,543.0	0.00	0.00	10,536.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
<b>TD at 10543.0</b>									

Targets									
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (ft)	Easting (ft)	Latitude	Longitude
- hit/miss target									
- Shape									
10-36-5-19E Target (200' x 200' plan hits target)	0.00	0.00	7,948.0	14.2	307.2	3,287,106.79	2,132,092.76	40° 20' 12.685 N	109° 44' 10.910 W
- Rectangle (sides W200.0 H200.0 D2,588.0)									

Casing Points					
Measured Depth (ft)	Vertical Depth (ft)	Name	Casing Diameter (")	Hole Diameter (")	
1,000.0	1,000.0	9 5/8	9-5/8	9-5/8	



**New Tech**  
Planning Report - Geographic

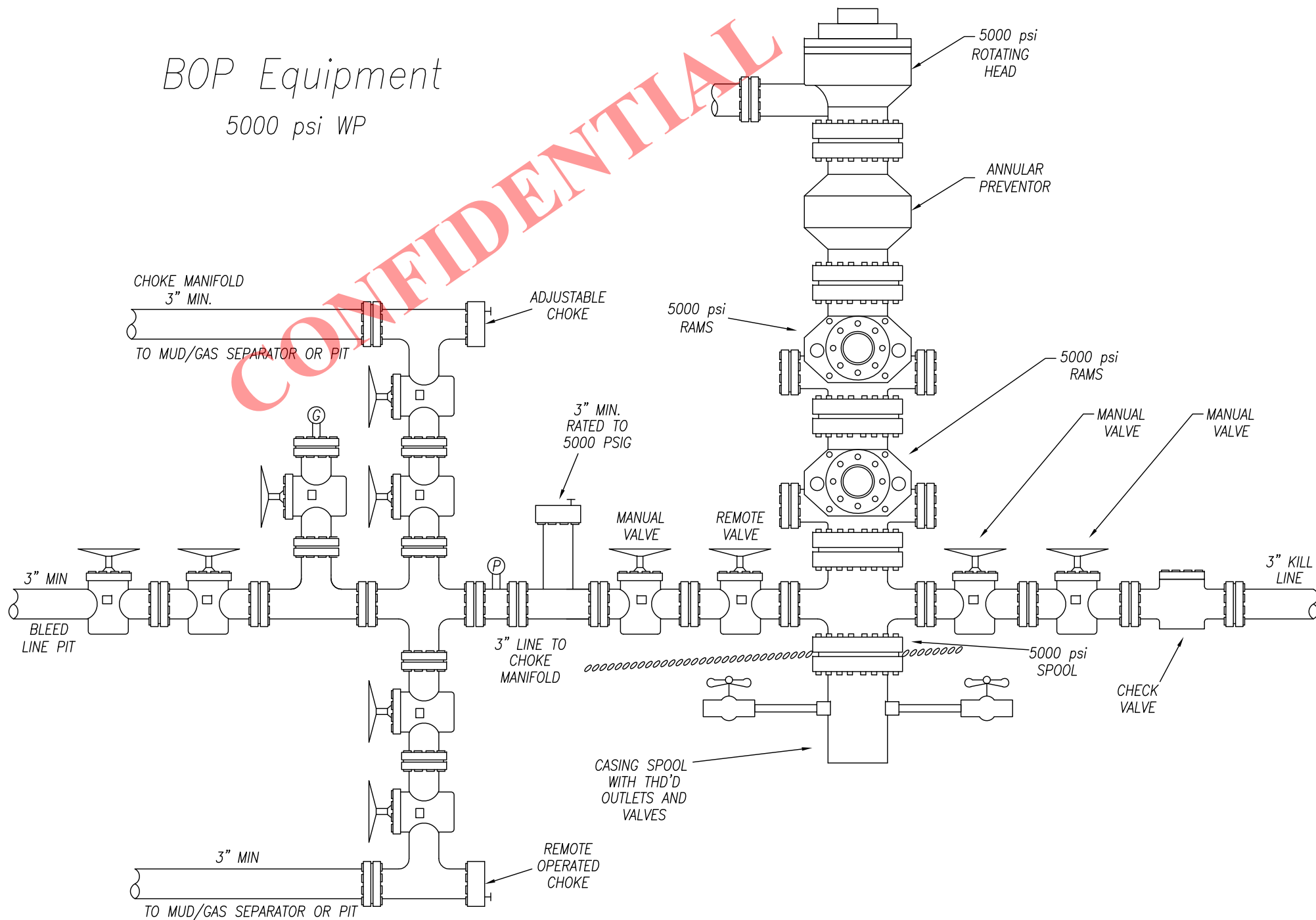
<b>Database:</b>	EDM 2003.16 Single User Db	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Company:</b>	Crescent Point Energy Corp.	<b>TVD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Project:</b>	Sec. 36 T5S R19E	<b>MD Reference:</b>	KELLY BUSHING @ 5280.0ft
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Wellbore:</b>	Wellbore #1		
<b>Design:</b>	Plan #1 05Oct13 kjs		

Formations						
Measured Depth (ft)	Vertical Depth (ft)	Name	Lithology	Dip (°)	Dip Direction (°)	
7,955.0	7,948.0	Garder Gulch (TGR3)				
6,785.9	6,780.0	Mahogany				
8,595.0	8,588.0	Black Shale				
6,401.5	6,396.0	Upper Green River Marker		0.00		
8,755.0	8,748.0	Castle Peak				
	10,536.0	TD		0.00		
8,918.0	8,911.0	Uteland				
9,043.0	9,036.0	Wasatch				
8,400.0	8,393.0	Douglas Creek				

Plan Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
1,050.0	1,050.0	0.0	0.0	Start Build 2.00	
1,180.5	1,180.5	0.1	3.0	Hold 2.61 Inc, 87.35° azi	
7,780.9	7,774.0	14.0	303.3	Start Drop -1.50	
7,955.0	7,948.0	14.2	307.2	Vertical	
10,543.0	10,536.0	14.2	307.2	TD at 10543.0	

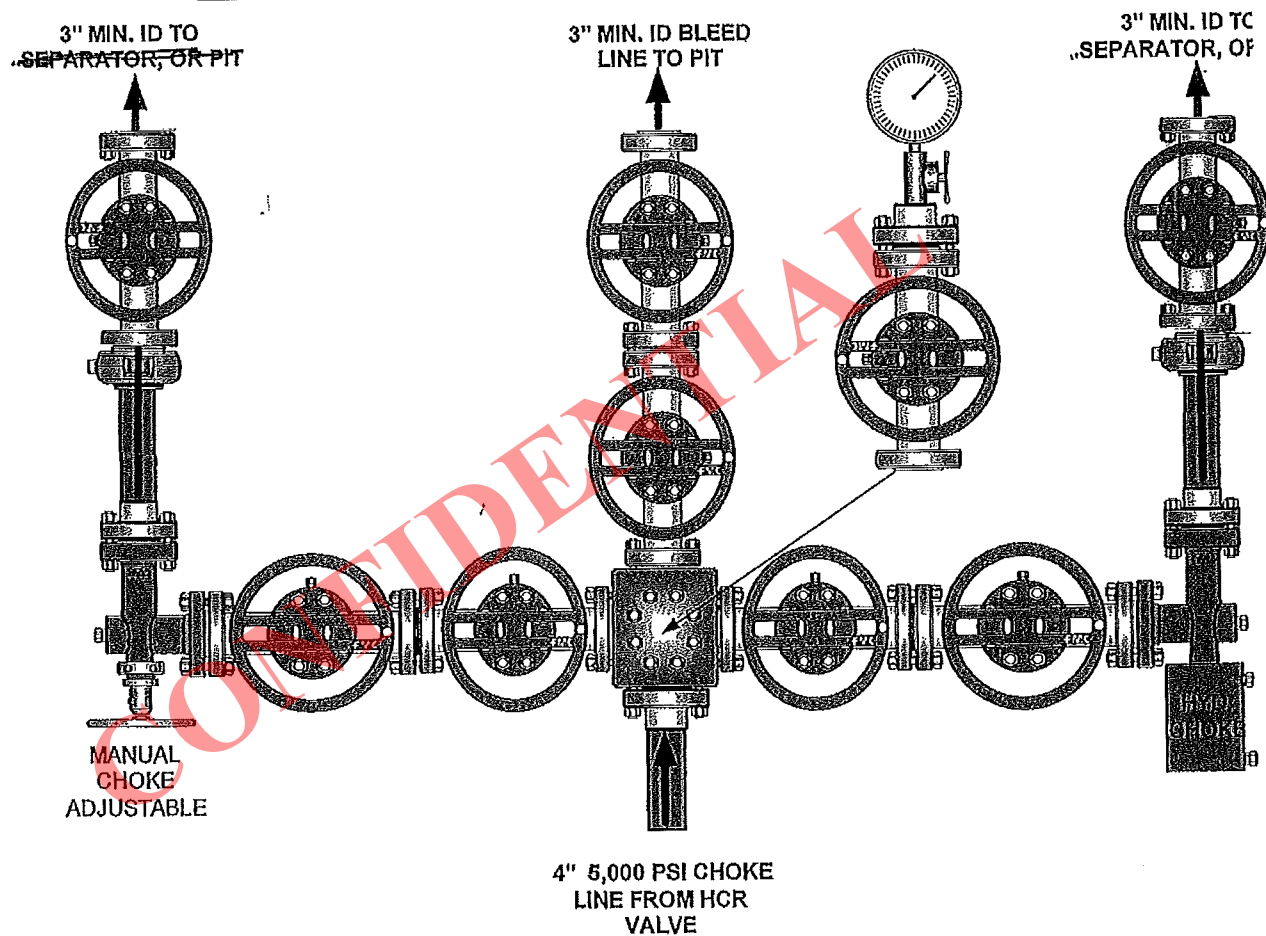
# BOP Equipment

5000 psi WP



*Capstar*

CHOKE MANIFOLD CONFIGURATION  
W/ 5,000 PSI WP VALVES







555 17<sup>th</sup> Street, Suite 750  
Denver, CO 80202  
Phone: (720) 880-3610

October 9, 2013

State of Utah Division of Oil, Gas and Mining  
Attention: Diana Mason  
1594 West North Temple  
Salt Lake City, UT 84116

**RE: Directional Drilling (R649-3-11) & Exception Location Request (R649-3-3)  
Ouray Valley State 10-36-5-19E**

*Surface location: NW/SE of Section 36, T5S, R19E*

*1,975' FSL & 2,286' FEL*

*Target location: NW/SE of Section 36, T5S, R19E*

*1,989' FSL & 1,979' FEL*

*SLB&M, Uintah County, Utah*

Dear Ms. Mason:

Pursuant to the filing of Crescent Point Energy U.S. Corp's (Crescent Point) Application for Permit to Drill regarding the above referenced well, and in accordance with Oil & Gas Conservation Rules R649-3-11 and R649-3-3, we are hereby submitting this letter as notice of our intention to directionally drill the captioned well and request that DOGM administratively grant an exception location for the Ouray Valley State 10-36-5-19E.

- Crescent Point is permitting the Ouray Valley State 10-36-5-19E as a directional well. The surface location was moved outside the legal window from the center of the quarter-quarter due to topographical constraints.
- Crescent Point has obtained written consent from 100% of the oil and gas owners within a radius of 460' from all points along the intended directional wellbore (ML-50608).

Therefore, based on the above stated information, Crescent Point requests the permit be granted pursuant to R649-3-11 and R649-3-3. If you have any questions or require further information, please contact the undersigned at 720-880-3600 or by email at [lbrowne@crescentpointenergy.com](mailto:lbrowne@crescentpointenergy.com) or [rwaller@crescentpointenergy.com](mailto:rwaller@crescentpointenergy.com). Your consideration in this matter is greatly appreciated.

Sincerely,  
Crescent Point Energy U.S. Corp

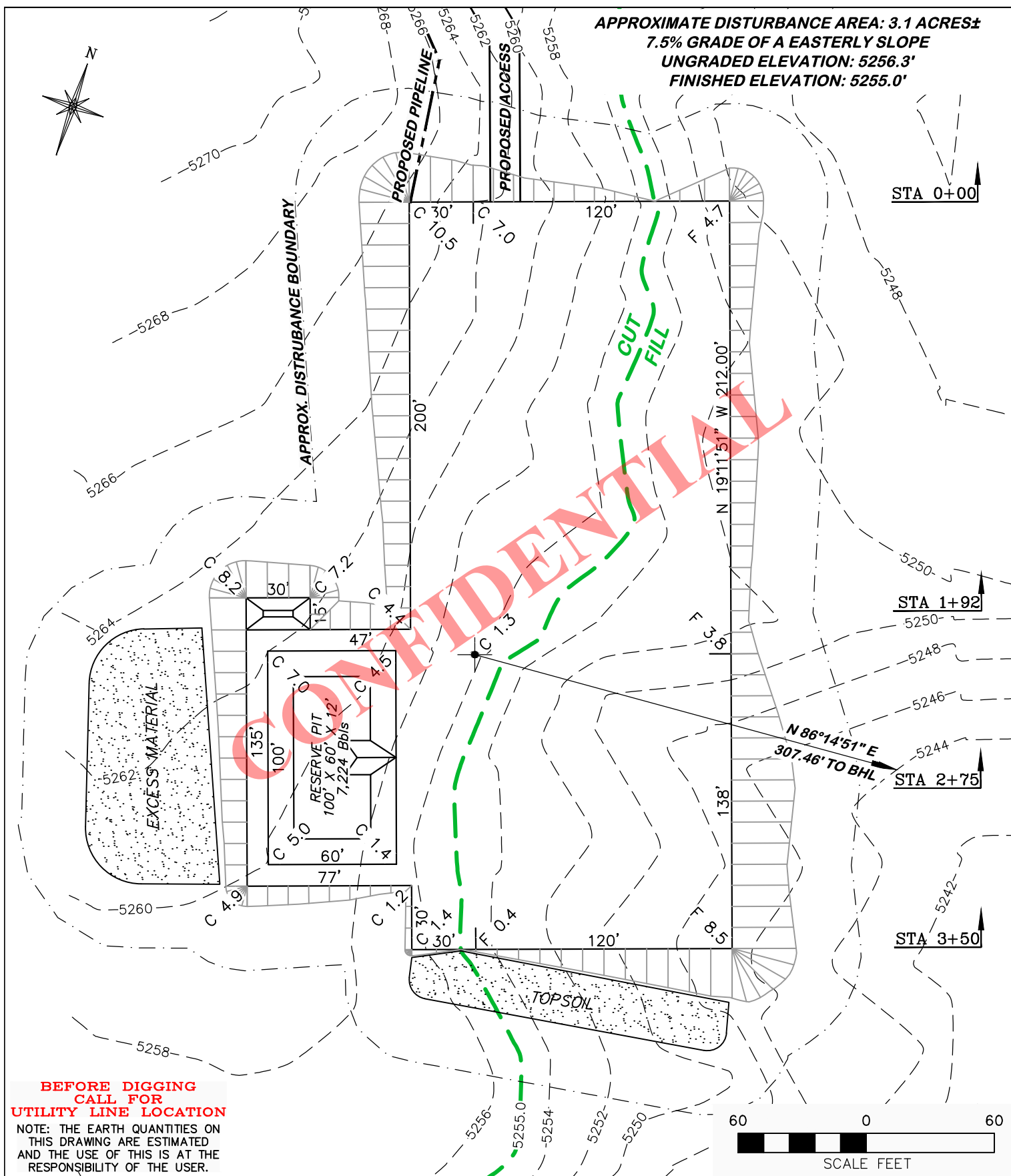
*Lori Browne*

Lori Browne  
Senior Regulatory Specialist

*Ryan Waller*

Ryan Waller  
Landman

RECEIVED: October 11, 2013



(307) 362-5028

**RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

SCALE: 1" = 60'

REVISED: 6/24/13 - TMH

DRG JOB No. 19889

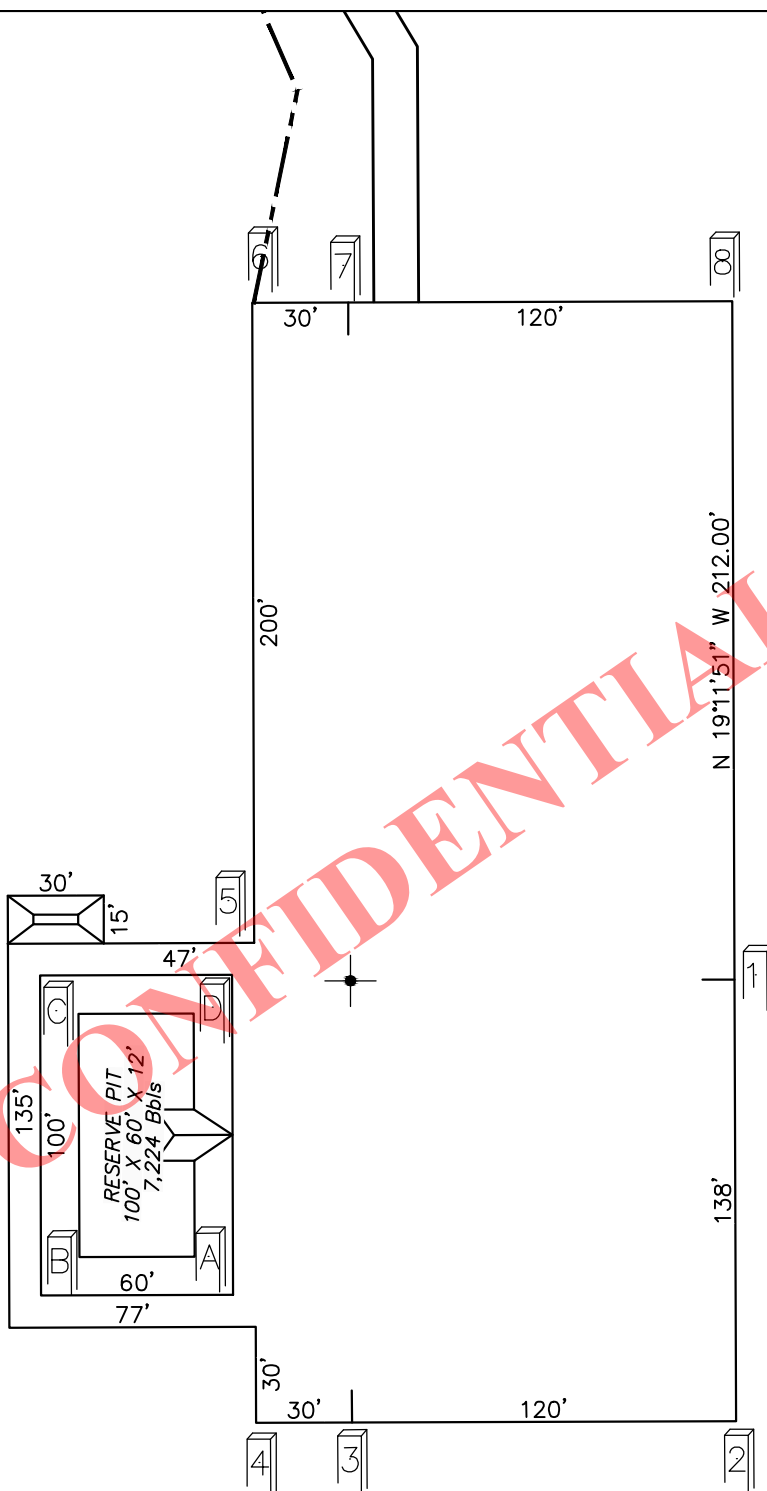
ADD BHL

FIGURE #1

**CRESCENT POINT ENERGY**  
**OURAY VALLEY STATE 10-36-5-19E**  
**SECTION 36, T5S, R19E**

**UNGRADED ELEVATION: 5256.3'**  
**FINISHED ELEVATION: 5255.0'**

RECEIVED: October 11, 2013



(307) 362-5028

**RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

SCALE: 1" = 60'

REVISED: NA

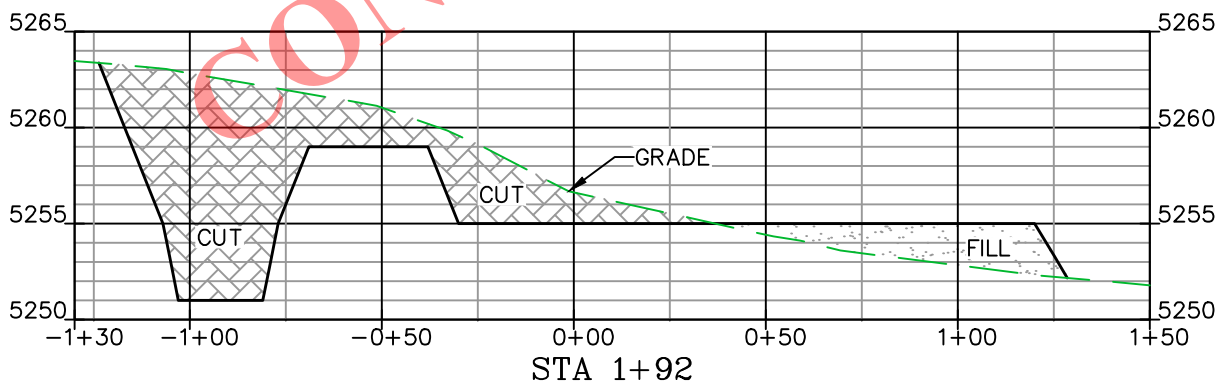
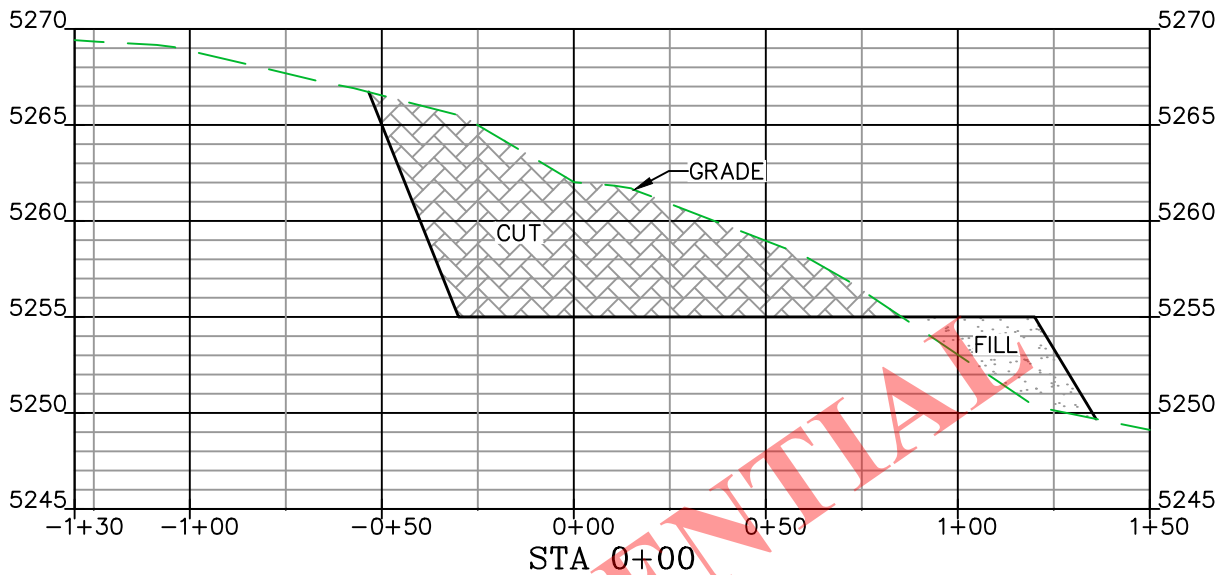
DRG JOB No. 19889

FIGURE #1A

**CRESCENT POINT ENERGY**  
**OURAY VALLEY STATE 10-36-5-19E**  
**SECTION 36, T5S, R19E**

UNGRADED ELEVATION: 5256.3'  
 FINISHED ELEVATION: 5255.0'

RECEIVED: October 11, 2013



(307) 362-5028

**RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

HORZ. 1" = 50' VERT. 1" = 10'

REVISED: NA

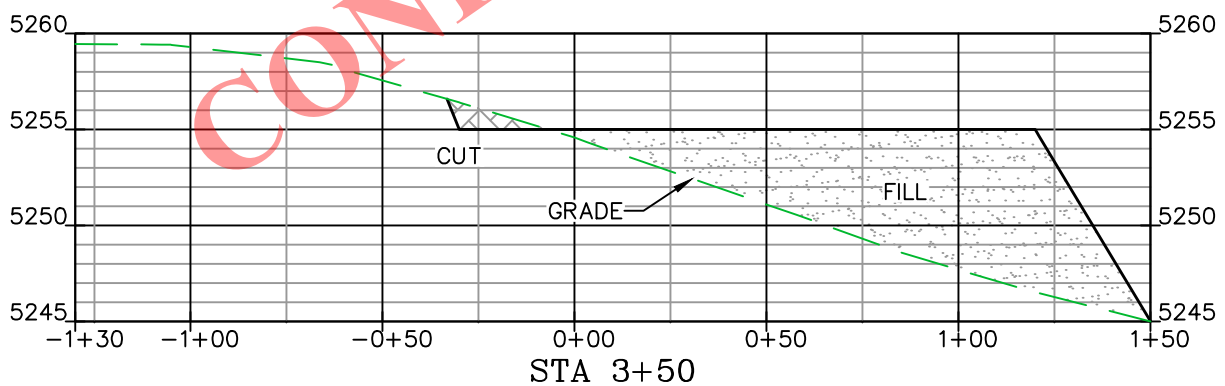
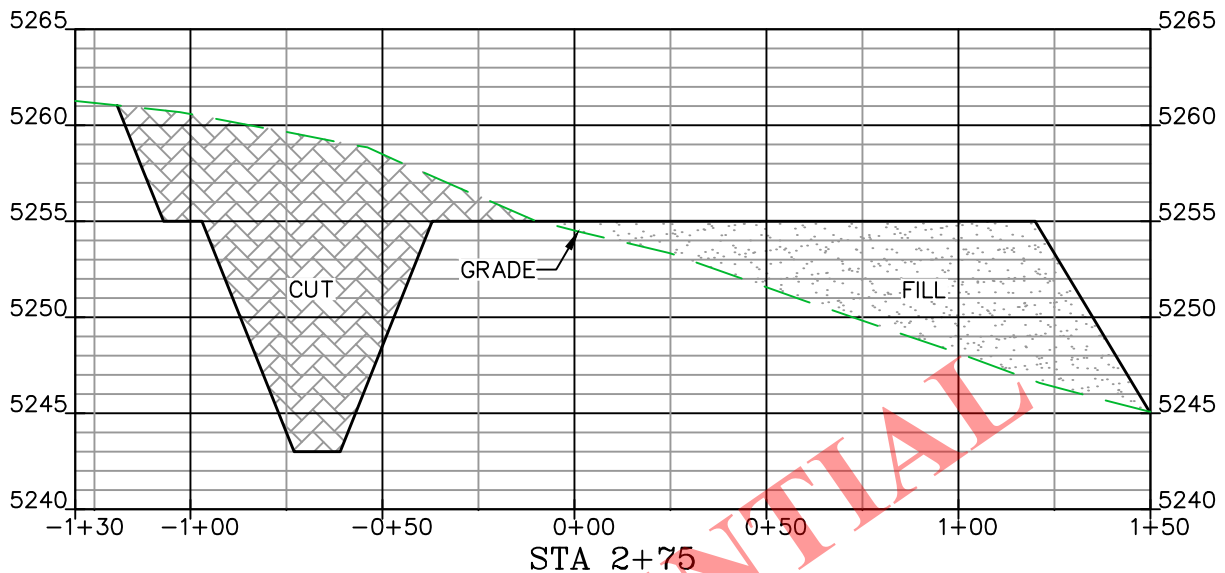
DRG JOB No. 19889

FIGURE #2-PAGE 1 OF 2

**CRESCENT POINT ENERGY**  
**OURAY VALLEY STATE 10-36-5-19E**  
**SECTION 36, T5S, R19E**

UNGRADED ELEVATION: 5256.3'  
 FINISHED ELEVATION: 5255.0'

RECEIVED: October 11, 2013



**DRG** **RIFFIN & ASSOCIATES, INC.**  
 (307) 362-5028 1414 ELK ST., ROCK SPRINGS, WY 82901

DRAWN: 6/7/13 - TMH

HORZ. 1" = 50' VERT. 1" = 10'

REVISED: NA

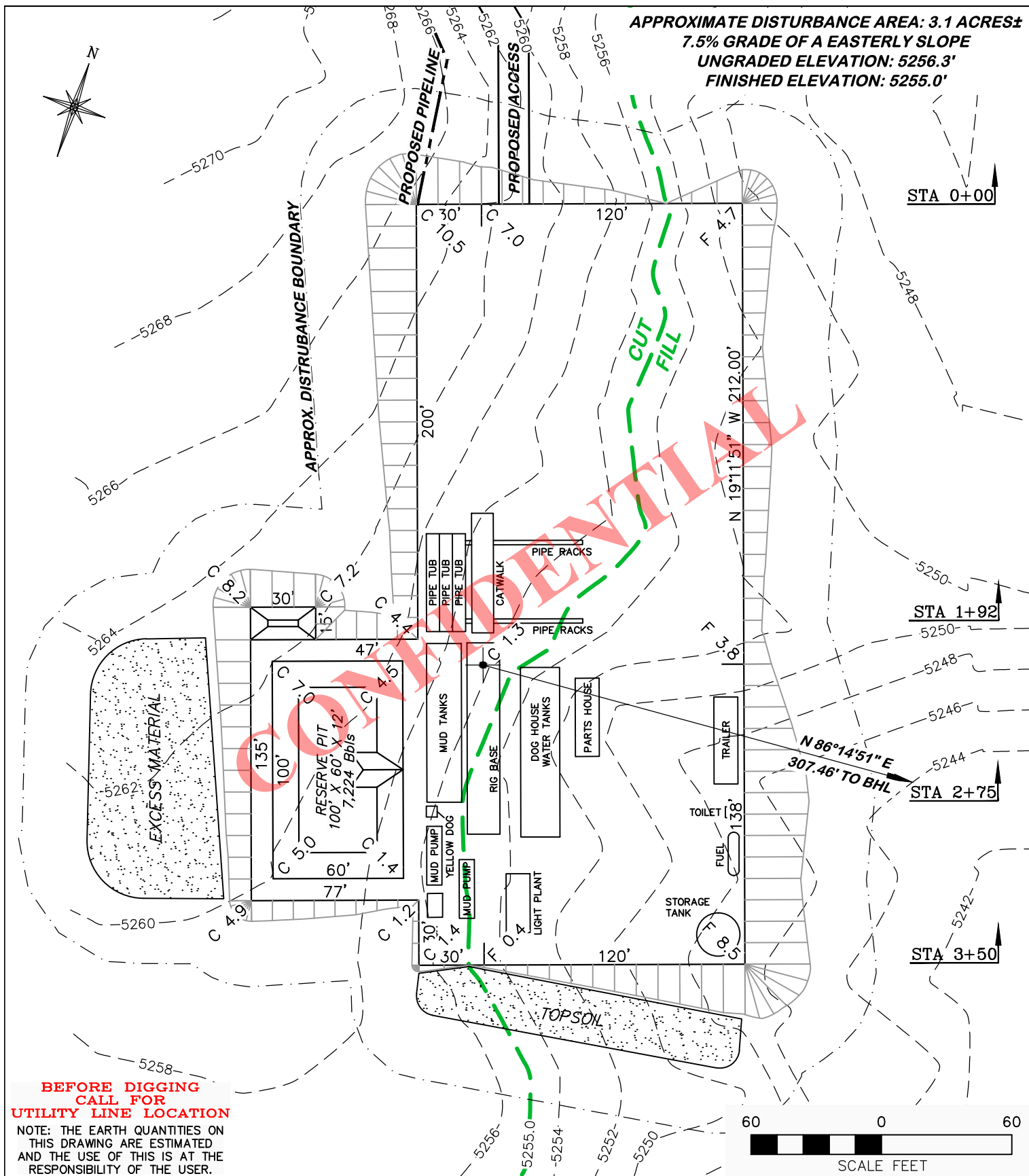
DRG JOB No. 19889

FIGURE #2-PAGE 2 OF 2

**CRESCENT POINT ENERGY**  
**OURAY VALLEY STATE 10-36-5-19E**  
**SECTION 36, T5S, R19E**

UNGRADED ELEVATION: 5256.3'  
 FINISHED ELEVATION: 5255.0'

RECEIVED: October 11, 2013



**DRG** **RIFFIN & ASSOCIATES, INC.**  
 1414 ELK ST., ROCK SPRINGS, WY 82901  
 (307) 362-5028

DRAWN: 6/7/13 - TMH

SCALE: 1" = 60'

REVISED: 6/24/13 - TMH

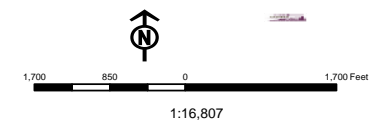
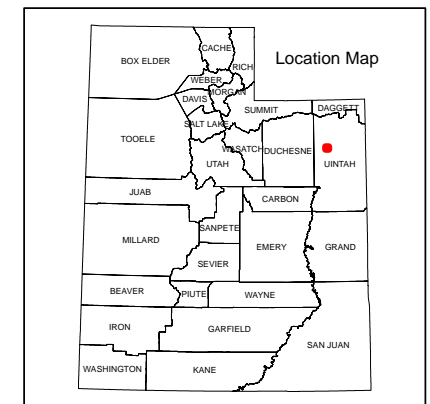
DRG JOB No. 19889

ADD BHL

FIGURE #3

RECEIVED: October 11, 2013

Map Prepared: 10/15/2013  
Map Produced by Diana Mason



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office  
440 West 200 South, Suite 500  
Salt Lake City, UT 84101

IN REPLY REFER TO:  
3160  
(UT-922)

October 22, 2013

Memorandum

To: Assistant Field Office Manager Minerals,  
Vernal Field Office

From: Michael Coulthard, Petroleum Engineer

Subject: 2013 Plan of Development Ouray Valley Unit,  
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2013 within the Ouray Valley Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
Proposed PZ (WASATCH)		
43-047-54047	Ouray Valley 10-36-5-19E	Sec 36 T05S R19E 1975 FSL 2286 FEL BHL Sec 36 T05S R19E 1989 FSL 1979 FEL
43-047-54053	Ouray Valley 12-36-5-19E	Sec 36 T05S R19E 2077 FSL 0966 FWL BHL Sec 36 T05S R19E 1982 FSL 0660 FWL

This office has no objection to permitting the wells at this time.

Michael Coulthard

Digitally signed by Michael Coulthard  
DN: cn=Michael Coulthard, o=Bureau of Land Management,  
ou=Division of Minerals, email=mcoultha@blm.gov, c=US  
Date: 2013.10.22 09:32:06 -0600

bcc: File - Ouray Valley Unit  
Division of Oil Gas and Mining  
Central Files  
Agr. Sec. Chron  
Fluid Chron

MCoulthard:mc:10-22-13

RECEIVED: October 22, 2013





Diana Mason <dianawhitney@utah.gov>

---

## Crescent Point Energy

---

Jeff Conley <jconley@utah.gov>

Tue, Feb 25, 2014 at 11:04 AM

To: Diana Mason <dianawhitney@utah.gov>, Bradley Hill <bradhill@utah.gov>

Cc: Imacmillan@crescentpointenergy.com, starpoint <starpoint@etv.net>, Jim Davis <jimdavis1@utah.gov>

Hello,

The following wells have been approved by SITLA including arch and paleo with the following stipulations:

(4304754047) Ouray Valley State 10-36-5-19E -Paleontological monitor spot check the bedrock during construction.

(4304754053) Ouray Valley State 12-36-5-19E -Paleontological monitor spot check during excavation work.

Thanks,

--

Jeff Conley  
SITLA Resource Specialist  
[jconley@utah.gov](mailto:jconley@utah.gov)  
801-538-5157

CONFIDENTIAL

Well Name	CRESCENT POINT ENERGY U.S. CORP Ouray Valley State 10-36-5-19E			
String	COND	SURF	PROD	
Casing Size(in)	16.000	8.625	5.500	
Setting Depth (TVD)	40	1000	10536	
Previous Shoe Setting Depth (TVD)	0	40	1000	
Max Mud Weight (ppg)	8.3	8.3	10.0	
BOPE Proposed (psi)	0	500	5000	
Casing Internal Yield (psi)	1000	2950	10640	
Operators Max Anticipated Pressure (psi)	5478		10.0	

Calculations	COND String	16.000	"
Max BHP (psi)	.052*Setting Depth*MW=	17	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	12	NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	8	NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	8	NO
Required Casing/BOPE Test Pressure=		40	psi
*Max Pressure Allowed @ Previous Casing Shoe=		0	psi *Assumes 1psi/ft frac gradient

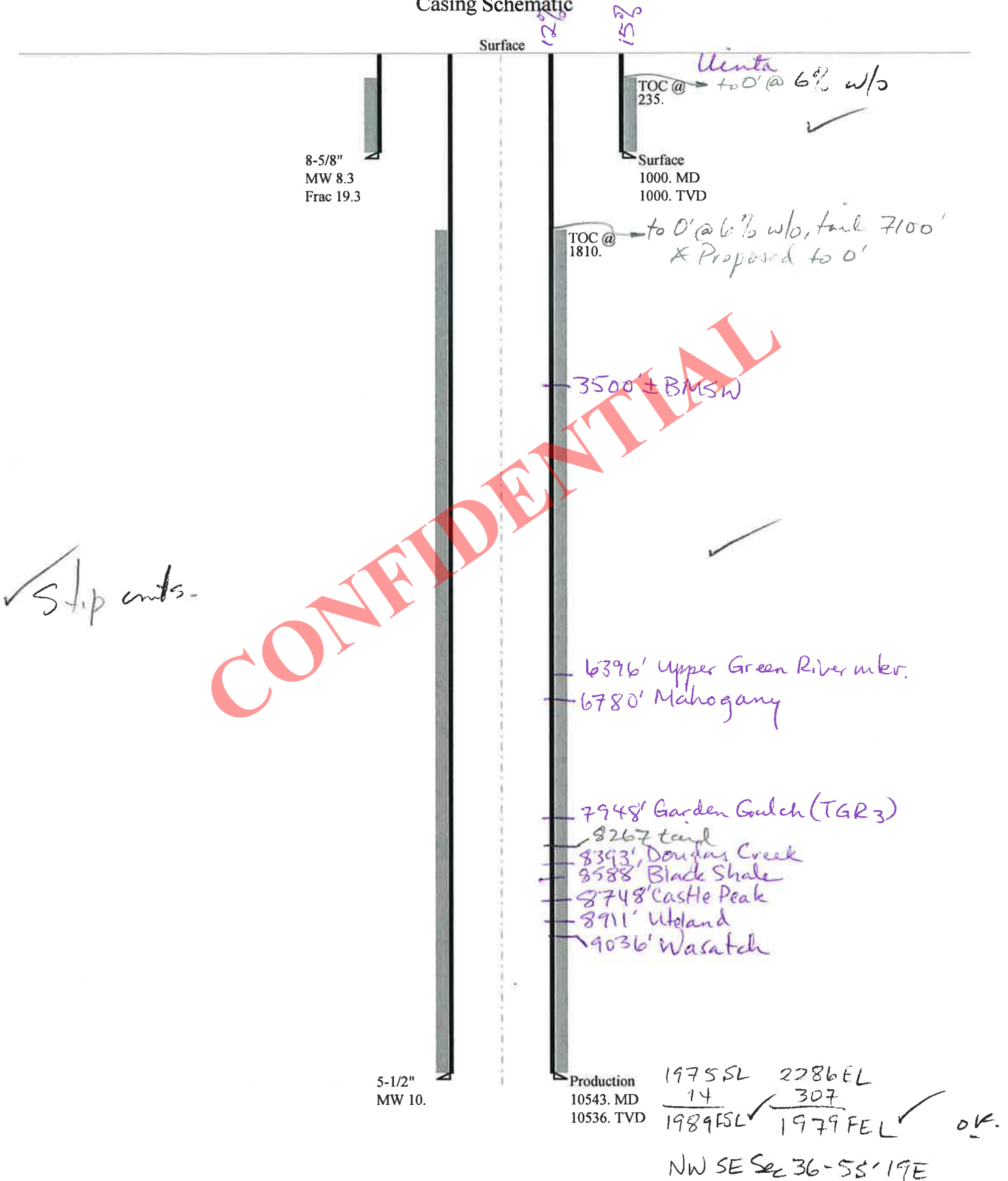
Calculations	SURF String	8.625	"
Max BHP (psi)	.052*Setting Depth*MW=	432	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	312	YES air/mist
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	212	YES Ok
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	221	NO OK
Required Casing/BOPE Test Pressure=		1000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		40	psi *Assumes 1psi/ft frac gradient

Calculations	PROD String	5.500	"
Max BHP (psi)	.052*Setting Depth*MW=	5479	
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=	4215	YES 5M BOPE, rotating head & annular preventer, blind and
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=	3161	YES pipe rams, kill & choke lines
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=	3381	NO OK
Required Casing/BOPE Test Pressure=		5000	psi
*Max Pressure Allowed @ Previous Casing Shoe=		1000	psi *Assumes 1psi/ft frac gradient

Calculations	String		"
Max BHP (psi)	.052*Setting Depth*MW=		
			BOPE Adequate For Drilling And Setting Casing at Depth?
MASP (Gas) (psi)	Max BHP-(0.12*Setting Depth)=		NO
MASP (Gas/Mud) (psi)	Max BHP-(0.22*Setting Depth)=		NO
			*Can Full Expected Pressure Be Held At Previous Shoe?
Pressure At Previous Shoe	Max BHP-.22*(Setting Depth - Previous Shoe Depth)=		NO
Required Casing/BOPE Test Pressure=			psi
*Max Pressure Allowed @ Previous Casing Shoe=			psi *Assumes 1psi/ft frac gradient

# 43047540470000 Ouray Valley State 10-36-5-19E

## Casing Schematic



Well name:	<b>43047540470000 Ouray Valley State 10-36-5-19E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Surface	Project ID: 43-047-54047
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 8.300 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 88 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 100 ft

Cement top: 235 ft

**Burst**

Max anticipated surface pressure: 880 psi  
Internal gradient: 0.120 psi/ft  
Calculated BHP 1,000 psi  
  
Annular backup: 1.50 ppg

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.70 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.50 (B)

Tension is based on buoyed weight.  
Neutral point: 875 ft

**Non-directional string.****Re subsequent strings:**

Next setting depth: 10,536 ft  
Next mud weight: 10.000 ppg  
Next setting BHP: 5,473 psi  
Fracture mud wt: 19.250 ppg  
Fracture depth: 1,000 ft  
Injection pressure: 1,000 psi

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	1000	8.625	24.00	J-55	ST&C	1000	1000	7.972	5147
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	431	1370	3.178	922	2950	3.20	21	244	11.61 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: January 14, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 1000 ft, a mud weight of 8.3 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

*Engineering responsibility for use of this design will be that of the purchaser.*

Well name:	<b>43047540470000 Ouray Valley State 10-36-5-19E</b>	
Operator:	<b>CRESCENT POINT ENERGY U.S. CORP</b>	
String type:	Production	Project ID: 43-047-54047
Location:	UINTAH COUNTY	

**Design parameters:****Collapse**

Mud weight: 10.000 ppg  
Design is based on evacuated pipe.

**Minimum design factors:****Collapse:**

Design factor 1.125

**Burst:**

Design factor 1.00

**Environment:**

H2S considered? No  
Surface temperature: 74 °F  
Bottom hole temperature: 222 °F  
Temperature gradient: 1.40 °F/100ft  
Minimum section length: 1,000 ft

Cement top: 1,810 ft

**Burst**

Max anticipated surface pressure: 3,155 psi  
Internal gradient: 0.220 psi/ft  
Calculated BHP 5,473 psi

No backup mud specified.

**Tension:**

8 Round STC: 1.80 (J)  
8 Round LTC: 1.80 (J)  
Buttress: 1.60 (J)  
Premium: 1.50 (J)  
Body yield: 1.60 (B)

Tension is based on buoyed weight.  
Neutral point: 8,945 ft

**Directional well information:**

Kick-off point 1050 ft  
Departure at shoe: 308 ft  
Maximum dogleg: 2 °/100ft  
Inclination at shoe: 0 °

Run Seq	Segment Length (ft)	Size (in)	Nominal Weight (lbs/ft)	Grade	End Finish	True Vert Depth (ft)	Measured Depth (ft)	Drift Diameter (in)	Est. Cost (\$)
1	10543	5.5	17.00	P-110	LT&C	10536	10543	4.767	69445
Run Seq	Collapse Load (psi)	Collapse Strength (psi)	Collapse Design Factor	Burst Load (psi)	Burst Strength (psi)	Burst Design Factor	Tension Load (kips)	Tension Strength (kips)	Tension Design Factor
1	5473	7480	1.367	5473	10640	1.94	152	445	2.93 J

Prepared Helen Sadik-Macdonald  
by: Div of Oil, Gas & Mining

Phone: 801 538-5357  
FAX: 801-359-3940

Date: January 30, 2014  
Salt Lake City, Utah

**Remarks:**

Collapse is based on a vertical depth of 10536 ft, a mud weight of 10 ppg. The casing is considered to be evacuated for collapse purposes. Collapse strength is based on the Westcott, Dunlop & Kemler method of biaxial correction for tension.

Burst strength is not adjusted for tension.

Collapse strength is (biaxially) derated for doglegs in directional wells by multiplying the tensile stress by the cross section area to calculate a

Engineering responsibility for use of this design will be that of the purchaser.

# **ON-SITE PREDRILL EVALUATION**

## **Utah Division of Oil, Gas and Mining**

**Operator** CRESCENT POINT ENERGY U.S. CORP  
**Well Name** Ouray Valley State 10-36-5-19E  
**API Number** 43047540470000      **APD No** 8722      **Field/Unit** UNDESIGNATED  
**Location:** NWSE      **Sec** 36      **Tw** 5.0S      **Rng** 19.0E      1975 FSL 2286 FEL  
**1/4, 1/4**  
**GPS Coord (UTM)** 607238 4465908      **Surface Owner**

### **Participants**

Ted Smith (DOGM), Jeff Conley(SITLA), Jim Burns(Star Point), Mike Wock(Crescent Point Energy)Mark-Survey

### **Regional/Local Setting & Topography**

The general area is within Sand Wash located approximately 10 air miles and 14 road miles southwest of Vernal, Utah. Access to the location from Vernal is by Highway 40 a distance of 16.4 miles, then northerly 2.6 miles on existing oilfield development roads. 1946 feet of new access road will be constructed. Sand Wash is an ephemeral drainage, which drains southeasterly toward the Green River. On the west side of Sand Wash is the Ouray Valley Canal. This canal does seep and water or riparian like vegetation can be found in a few swales below the canal. No other springs or seeps are known to exist in the general area. The topography in the area is generally flat but intersected by some gentle swales and washes. Hills with exposed layered sandstone occur. The section is owned by SITLA but surrounded on 3 sides by land administered by the BLM.

### **Surface Use Plan**

#### **Current Surface Use**

Grazing  
Wildlfe Habitat  
Recreational

**New Road  
Miles**

0.36

**Well Pad**

**Width** 150      **Length** 350

**Src Const Material**

Onsite

**Surface Formation**

UNTA

**Ancillary Facilities** N

**Waste Management Plan Adequate?** Y

### **Environmental Parameters**

**Affected Floodplains and/or Wetlands** N

#### **Flora / Fauna**

Moderate vegetation cover which included big sagebrush, rabbit brush, curley measquite, annual mustard and cheatgrass.

Periodic cattle grazing, coyote, antelope, rabbits, small mammals and birds. Some raptors use the area for feeding.

**Soil Type and Characteristics**

Moderately deep sandy loam

**Erosion Issues Y**

Culverts along the access

**Sedimentation Issues N****Site Stability Issues N****Drainage Diversion Required? N****Berm Required? Y****Erosion Sedimentation Control Required? Y**

Culverts along the access

**Paleo Survey Run? Y    Paleo Potential Observed? N    Cultural Survey Run? Y    Cultural Resources? N**

**Reserve Pit****Site-Specific Factors****Site Ranking**

<b>Distance to Groundwater (feet)</b>	>200	0
<b>Distance to Surface Water (feet)</b>	>1000	0
<b>Dist. Nearest Municipal Well (ft)</b>	>5280	0
<b>Distance to Other Wells (feet)</b>	>1320	0
<b>Native Soil Type</b>	Mod permeability	10
<b>Fluid Type</b>	Fresh Water	5
<b>Drill Cuttings</b>	Normal Rock	0
<b>Annual Precipitation (inches)</b>		0

**Affected Populations**

**Presence Nearby Utility Conduits** Unknown 10

**Final Score** 25 3 Sensitivity Level

**Characteristics / Requirements**

60' by 100' and 12' deep. The reserve pit is planned in an area of cut on the southwest side of the location. No stabilization problems are expected.

Stability Level I. A liner is required. The operator routinely installs a 16 mil liner to conserve water.

**Closed Loop Mud Required? N    Liner Required? Y    Liner Thickness 16    Pit Underlayment Required? N**

**Other Observations / Comments**

Jeff Conley of SITLA were invited to the on-site visit. He had no issues with this location

Ted Smith  
Evaluator

11/13/2013  
Date / Time

# Application for Permit to Drill

## Statement of Basis

### Utah Division of Oil, Gas and Mining

<b>APD No</b>	<b>API WellNo</b>	<b>Status</b>	<b>Well Type</b>	<b>Surf Owner CBM</b>
8722	43047540470000	LOCKED	OW	S No
<b>Operator</b>	CRESCENT POINT ENERGY U.S. CORP		<b>Surface Owner-APD</b>	
<b>Well Name</b>	Ouray Valley State 10-36-5-19E		<b>Unit</b>	OURAY VALLEY
<b>Field</b>	UNDESIGNATED		<b>Type of Work</b>	DRILL
<b>Location</b>	NWSE 36 5S 19E S 1975 FSL 2286 FEL GPS Coord (UTM) 607246E 4465904N			

#### Geologic Statement of Basis

Crescent Point proposes to set 1,000 feet of surface casing, cemented to the surface. The base of the moderately saline water is estimated at 3,500 feet. A search of Division of Water Rights records shows 1 water well within a 10,000 foot radius of the center of Section 36. This well is 725 feet in depth and its listed use is for oilfield drilling. The surface formation at this site is the Uinta Formation. The Uinta Formation is made up of interbedded shales and sandstones. The sandstones are mostly lenticular and discontinuous and should not be a significant source of useable ground water. Cement for the production string should be brought up above the base of the moderately saline groundwater in order to isolate fresher waters uphole.

Brad Hill  
APD Evaluator

12/18/2013  
Date / Time

#### Surface Statement of Basis

The general area is within Sand Wash located approximately 10 air miles and 14 road miles southwest of Vernal, Utah. Access to the location from Vernal is by Highway 40 a distance of 16.4 miles, then northerly 2.6 miles on existing oilfield development roads. 1946 feet of new access road using 3 36" culverts will be constructed. Sand Wash is an ephemeral drainage, which drains southeasterly toward the Green River. On the west side of Sand Wash is the Ouray Valley Canal. This canal does seep and water or riparian like vegetation can be found in a few swales below the canal. No other springs or seeps are known to exist in the general area. The topography in the area is generally flat but intersected by some gentle swales and washes. Hills with exposed layered sandstone occur. The section is owned by SITLA but surrounded on 3 sides by land administered by the BLM. A SITLA section borders the section on the southwest corner.

The proposed Ouray Valley State #12-36--5-19 gas well pad begins near rocky ridges with exposed layered sandstone are located to the south and northeast of this rounded intermediate ridge. No significant defined drainages intersect the proposed pad but diversions beginning behind the reserve pit extending around the pad on both the east side are needed to divert minor overland flow.

Ted Smith  
Onsite Evaluator

11/13/2013  
Date / Time

#### Conditions of Approval / Application for Permit to Drill

Category	Condition
----------	-----------



Pits	A synthetic liner with a minimum thickness of 16 mils shall be properly installed and maintained in the reserve pit.
Pits	The reserve pit should be located on the south side of the location.
Surface	The well site shall be bermed to prevent fluids from leaving the pad.
Surface	The reserve pit shall be fenced upon completion of drilling operations.
Surface	Drainages adjacent to the proposed pad shall be diverted around the location.

CONFIDENTIAL

## WORKSHEET APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 10/11/2013

API NO. ASSIGNED: 43047540470000

WELL NAME: Ouray Valley State 10-36-5-19E

OPERATOR: CRESCENT POINT ENERGY U.S. CORP (N3935)

PHONE NUMBER: 303 382-6787

CONTACT: Lauren MacMillan

PROPOSED LOCATION: NWSE 36 050S 190E

Permit Tech Review: ☒

SURFACE: 1975 FSL 2286 FEL

Engineering Review: ☒

BOTTOM: 1989 FSL 1979 FEL

Geology Review: ☒

COUNTY: UINTAH

LATITUDE: 40.33679

LONGITUDE: -109.73739

UTM SURF EASTINGS: 607246.00

NORTHINGS: 4465904.00

FIELD NAME: UNDESIGNATED

LEASE TYPE: 3 - State

LEASE NUMBER: ML-50608

PROPOSED PRODUCING FORMATION(S): WASATCH

SURFACE OWNER: 3 - State

COALBED METHANE: NO

## RECEIVED AND/OR REVIEWED:

☒ PLAT☒ Bond: STATE - LPM9080271☐ Potash☐ Oil Shale 190-5☐ Oil Shale 190-3☐ Oil Shale 190-13☒ Water Permit: 43-7478☐ RDCC Review:☐ Fee Surface Agreement☐ Intent to Commingle

Commingle Approved

## LOCATION AND SITING:

☐ R649-2-3.

Unit: OURAY VALLEY

☐ R649-3-2. General☒ R649-3-3. Exception☒ Drilling Unit

Board Cause No: R649-3-11

Effective Date:

Siting:

☒ R649-3-11. Directional Drill

Comments: Presite Completed

Stipulations: 1 - Exception Location - bhill  
5 - Statement of Basis - bhill  
12 - Cement Volume (3) - ddoucet  
15 - Directional - dmason  
23 - Spacing - dmason  
25 - Surface Casing - hmacdonald

RECEIVED: May 06, 2014



GARY R. HERBERT  
*Governor*

SPENCER J. COX  
*Lieutenant Governor*

# State of Utah

## DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER  
*Executive Director*

### Division of Oil, Gas and Mining

JOHN R. BAZA  
*Division Director*

## Permit To Drill

\*\*\*\*\*

**Well Name:** Ouray Valley State 10-36-5-19E  
**API Well Number:** 43047540470000  
**Lease Number:** ML-50608  
**Surface Owner:** STATE  
**Approval Date:** 5/6/2014

### Issued to:

CRESCENT POINT ENERGY U.S. CORP, 555 17th Street, Suite 750, Denver, CO 80202

### Authority:

Pursuant to Utah Code Ann. 40-6-1 et seq., and Utah Administrative Code R649-3-1 et seq., the Utah Division of Oil, Gas and Mining issues conditions of approval, and permit to drill the listed well. This permit is issued in accordance with the requirements of R649-3-11. The expected producing formation or pool is the WASATCH Formation(s), completion into any other zones will require filing a Sundry Notice (Form 9). Completion and commingling of more than one pool will require approval in accordance with R649-3-22.

### Duration:

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date

### Exception Location:

Appropriate information has been submitted to DOGM and administrative approval of the requested exception location is hereby granted.

### General:

Compliance with the requirements of Utah Admin. R. 649-1 et seq., the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

### Conditions of Approval:

In accordance with Utah Admin. R. 649-3-11, Directional Drilling, the operator shall submit a complete angular deviation and directional survey report to the Division within 30 days following completion of the well.

This proposed well is located in an area for which drilling units (well spacing patterns) have not been established through an order of the Board of Oil, Gas and Mining (the "Board"). In order to avoid the possibility of waste or injury to correlative rights, the operator is requested, once the well has been drilled, completed, and has produced, to analyze geological and engineering data generated therefrom, as well as any similar data from surrounding areas if available. As soon as is practicable after completion of its analysis, and if the analysis suggests an

area larger than the quarter-quarter section upon which the well is located is being drained, the operator is requested to seek an appropriate order from the Board establishing drilling and spacing units in conformance with such analysis by filing a Request for Agency Action with the Board.

Compliance with the Conditions of Approval/Application for Permit to Drill outlined in the Statement of Basis (copy attached).

Cement volume for the 5 1/2" production string shall be determined from actual hole diameter in order to place cement from the pipe setting depth back to surface as indicated in the submitted drilling plan. Tail cement shall be brought back up to 6500' minimum as indicated in submitted drilling plan and the 2nd lead cement shall be brought up to 3500' minimum.

Surface casing shall be cemented to the surface.

#### **Additional Approvals:**

The operator is required to obtain approval from the Division of Oil, Gas and mining before performing any of the following actions during the drilling of this well:

- Any changes to the approved drilling plan - contact Dustin Doucet
- Significant plug back of the well - contact Dustin Doucet
- Plug and abandonment of the well - contact Dustin Doucet

#### **Notification Requirements:**

The operator is required to notify the Division of Oil, Gas and Mining of the following actions during drilling of this well:

- Within 24 hours following the spudding of the well - contact Carol Daniels  
OR  
submit an electronic sundry notice (pre-registration required) via the Utah Oil & Gas website  
at <http://oilgas.ogm.utah.gov>
- 24 hours prior to testing blowout prevention equipment - contact Dan Jarvis
- 24 hours prior to cementing or testing casing - contact Dan Jarvis
- Within 24 hours of making any emergency changes to the approved drilling program  
- contact Dustin Doucet
- 24 hours prior to commencing operations to plug and abandon the well - contact Dan Jarvis

#### **Contact Information:**

The following are Division of Oil, Gas and Mining contacts and their telephone numbers (please leave a voicemail message if the person is not available to take the call):

- Carol Daniels 801-538-5284 - office
- Dustin Doucet 801-538-5281 - office  
801-733-0983 - after office hours
- Dan Jarvis 801-538-5338 - office  
801-231-8956 - after office hours

#### **Reporting Requirements:**

All reports, forms and submittals as required by the Utah Oil and Gas Conservation

General Rules will be promptly filed with the Division of Oil, Gas and Mining, including but not limited to:

- Entity Action Form (Form 6) - due within 5 days of spudding the well
- Monthly Status Report (Form 9) - due by 5th day of the following calendar month
- Requests to Change Plans (Form 9) - due prior to implementation
- Written Notice of Emergency Changes (Form 9) - due within 5 days
- Notice of Operations Suspension or Resumption (Form 9) - due prior to implementation
- Report of Water Encountered (Form 7) - due within 30 days after completion
- Well Completion Report (Form 8) - due within 30 days after completion or plugging

**Approved By:**

A handwritten signature in black ink, appearing to read "John Rogers", written over a horizontal line.

For John Rogers  
Associate Director, Oil & Gas

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: OURAY VALLEY
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: Ouray Valley State 10-36-5-19E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		9. API NUMBER: 43047540470000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FSL 2286 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 36 Township: 05.0S Range: 19.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION		
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE  <input type="checkbox"/> CHANGE TO PREVIOUS PLANS  <input type="checkbox"/> CHANGE WELL STATUS  <input type="checkbox"/> DEEPEN  <input type="checkbox"/> OPERATOR CHANGE  <input type="checkbox"/> PRODUCTION START OR RESUME  <input type="checkbox"/> REPERFORATE CURRENT FORMATION  <input type="checkbox"/> TUBING REPAIR  <input type="checkbox"/> WATER SHUTOFF  <input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> ALTER CASING  <input type="checkbox"/> CHANGE TUBING  <input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS  <input type="checkbox"/> FRACTURE TREAT  <input type="checkbox"/> PLUG AND ABANDON  <input type="checkbox"/> RECLAMATION OF WELL SITE  <input type="checkbox"/> SIDETRACK TO REPAIR WELL  <input type="checkbox"/> VENT OR FLARE  <input type="checkbox"/> SI TA STATUS EXTENSION  <input type="checkbox"/> OTHER	<input type="checkbox"/> CASING REPAIR  <input type="checkbox"/> CHANGE WELL NAME  <input type="checkbox"/> CONVERT WELL TYPE  <input type="checkbox"/> NEW CONSTRUCTION  <input type="checkbox"/> PLUG BACK  <input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION  <input type="checkbox"/> TEMPORARY ABANDON  <input type="checkbox"/> WATER DISPOSAL  <input type="checkbox"/> APD EXTENSION  OTHER: <input style="width: 100px;" type="text"/>
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:			
<input checked="" type="checkbox"/> SPUD REPORT Date of Spud: 9/16/2014			
<input type="checkbox"/> DRILLING REPORT Report Date:			

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Crescent Point Energy US Corp spud the Ouray Valley State  
10-36-5-19E with Pete Martin Rig 17 on September 16th, 2014 at  
4pm. Thank you.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 September 17, 2014

NAME (PLEASE PRINT) Emily Kate DeGrasse	PHONE NUMBER 720 880-3644	TITLE Regulatory & Government Affairs Analyst
SIGNATURE N/A		DATE 9/17/2014

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
		5. LEASE DESIGNATION AND SERIAL NUMBER: ML-50608
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
		7. UNIT or CA AGREEMENT NAME: OURAY VALLEY
1. TYPE OF WELL Oil Well		8. WELL NAME and NUMBER: Ouray Valley State 10-36-5-19E
2. NAME OF OPERATOR: CRESCENT POINT ENERGY U.S. CORP		9. API NUMBER: 43047540470000
3. ADDRESS OF OPERATOR: 555 17th Street, Suite 750 , Denver, CO, 80202		9. FIELD and POOL or WILDCAT: UNDESIGNATED
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1975 FSL 2286 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: NWSE Section: 36 Township: 05.0S Range: 19.0E Meridian: S		COUNTY: UINTAH
		STATE: UTAH

11.

CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	<input type="checkbox"/> ALTER CASING	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	<input type="checkbox"/> CHANGE TUBING	<input type="checkbox"/> CHANGE WELL NAME	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CHANGE WELL STATUS	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	<input type="checkbox"/> CONVERT WELL TYPE	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 12/7/2014	<input type="checkbox"/> DEEPEN	<input type="checkbox"/> FRACTURE TREAT	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	<input type="checkbox"/> PLUG AND ABANDON	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> PRODUCTION START OR RESUME	<input type="checkbox"/> RECLAMATION OF WELL SITE	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	<input type="checkbox"/> VENT OR FLARE	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	<input type="checkbox"/> SI TA STATUS EXTENSION	<input type="checkbox"/> APD EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	<input type="checkbox"/> OTHER	OTHER: <input style="width: 100px;" type="text"/>	

12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.

Please see attached drill report for Crescent Point Energy's Ouray Valley State 10-36-5-19E, encompassing all drilling activities to date.

**Accepted by the**  
**Utah Division of**  
**Oil, Gas and Mining**  
**FOR RECORD ONLY**  
 December 09, 2014

NAME (PLEASE PRINT) Lauren MacMillan	PHONE NUMBER 303 382-6787	TITLE Regulatory Specialist
SIGNATURE N/A		DATE 12/7/2014



## Daily Drilling Report

Report for: 9/16/2014  
Report #: 1.0, DFS: -68.13  
Depth Progress:

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type

Weather	Temperature (°F)	Road Condition	Hole Condition
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Operation At 6am  
W.O.Air Rig

24 Hr Summary  
MIRU Pete Martin Rig #17, spud well @ 16:00 9/16/2014 drill 52' KB 24" conductor hole, run & cement 52' KB 16" conductor pipe, Cmt.with ReadyMix

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com

## Mud Checks

&lt;depth&gt;ftKB, &lt;dtm&gt;

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

BHA #&lt;stringno&gt;, &lt;des&gt;

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
Nozzles (1/32")	String Length (ft)	Max Nominal OD (in)			

String Components

Comment

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq

AFE Number 1742113US	
Start Depth (ftKB) 0.0	End Depth (ftKB) 0.0

Target Formation  
WASTACH

Target Depth (ftKB)  
10,365.0

Last Casing String

Conductor, 52.0ftKB

## Daily Contacts

Job Contact	Mobile

## Rigs

## Capstar Drilling, 328

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	







## Daily Drilling Report

Report for: **11/23/2014**  
 Report #: **3.0, DFS: -0.13**  
 Depth Progress: **0.00**

Well Name: **OURAY VALLEY STATE 10-36-5-19E**

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type	Weather COLD	Temperature (°F) 22.0	Road Condition GOOD	Hole Condition
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Operation At 6am PICKING UP DIR. TOOLS	Operation Next 24hrs CONT TO P/U DIR TOOLS & SCRIBE, P/U BHA TH, DRILL OUT, DRILL 77/8" DIR. PROD HOLE, ROTATE & SLIDE
---	---

24 Hr Summary <b>MOVE RIG IN</b> OFF THE UTE TRIBAL 7-15-4-2E, SET IN RIG, RIG UP, 32 MILE RIG MOVE, NIPPLE UP BOPE, REMOVE MANUAL CHOKE, INSTALL HYDRAULIC CHOKE, INSTALL CHOKE LINE, KILL LINE & FLARE LINES, INSTALL HYDRAULIC LINES, & FUNCTION TEST, HOLD SAFTEY MEETING, PRESS TEST PIPE & BLIND RAMS, CHOKE VALVES & KILL LINE VALVE, FLOOR SAFTEY VALVE AND CHOKE MANNIFOLD TO 5000 PSI, PRESS TEST ANNULAR TO 2500 PSI, PRESS TEST 9 5/8" 36# SURFACE CSG TO 1500 PSI 30 MIN, ALL TESTS (OK), R/D TESTER, P/U MM, M/U BIT, START TO P/U DIR. TOOLS
--

**Time Log**

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	20:00	14.00	14.00	1	RIGUP & TEARDOWN	MOVE RIG IN OFF THE UTE TRIBAL 7-15-4-2E, SET IN RIG, RIG UP, 32 MILE RIG MOVE
20:00	00:00	4.00	18.00	14	NIPPLE UP B.O.P	NIPPLE UP BOPE, REMOVE MANUAL CHOKE, INSTALL HYDRAULIC CHOKE, INSTALL CHOKE LINE, KILL LINE & FLARE LINES, INSTALL HYDRAULIC LINES, & FUNCTION TEST
00:00	04:30	4.50	22.50	15	TEST B.O.P	HOLD SAFTEY MEETING, PRESS TEST PIPE & BLIND RAMS, CHOKE VALVES & KILL LINE VALVE, FLOOR SAFTEY VALVE AND CHOKE MANNIFOLD TO 5000 PSI, PRESS TEST ANNULAR TO 2500 PSI, PRESS TEST 9 5/8" 36# SURFACE CSG TO 1500 PSI 30 MIN, ALL TESTS (OK), R/D TESTER
04:30	06:00	1.50	24.00	6	TRIPS	P/U MM, M/U BIT, START TO P/U DIR. TOOLS

**Mud Checks**

1,066.0ftKB, 11/23/2014 15:00						
Type DAP	Time 15:00	Depth (ftKB) 1,066.0	Density (lb/gal) 9.40	Funnel Viscosity (s/qt) 27	PV Override (cP) 1.0	YP OR (lb/100ft²) 1,000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				8.5		
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,500.000	Calcium (mg/L) 80.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)	300.0	
0.0	0.0	0.0				

**Drill Strings**

<b>BHA #1, Steerable</b>						
Bit Run 1	Drill Bit 7 7/8in, MM65M, 12401237	Length (ft) 1.00	IADC Bit Dull 4-2-WT-N-X-1-CT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 70.2	
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 636.93	Max Nominal OD (in) 6.500				

String Components Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP
--

Comment BIT MM65M, SER# 12401237, PART# 866280, 6 X 16S JETS, MM 7/8 3.3, NEWSOCO, 1.5 FIXED BEND, .16 RPG, SER#650254
---

**Drilling Parameters**

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	1,066.0	1,066.0										

AFE Number 1742113US	Start Depth (ftKB) 1,066.0	End Depth (ftKB) 1,066.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

**Daily Contacts**

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

**Rigs**

<b>Capstar Drilling, 328</b>	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

**1, Gardner-Denver, PZ-9**

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

**2, Gardner-Denver, PZ-9**

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

**Mud Additive Amounts**

Des	Field Est (Cost/unit)	Consumed
ENGINEERING	450.00	1.0

**Safety Checks**

Time	Type	Des

**Wellbores**

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: **11/24/2014**  
 Report #: **4.0, DFS: 0.88**  
 Depth Progress: **2,422.00**

Well Name: **OURAY VALLEY STATE 10-36-5-19E**

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type
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Weather COLD	Temperature (°F) 18.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR PROD HOLE @3488'	Operation Next 24hrs DRILL 77/8" DIR. PROD HOLE , ROTATE & SLIDE
---	---

24 Hr Summary P/U DIR TOOLS & SCRIBE, TIH W/BHA, SLIP & CUT DRLG LINE, CONT TIH, TAG CEMENT @923', DRILL OUT CEMENT, FLOAT EQUIP & RATHOLE F/923' T/1066', DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/1066' T/3488' 2422' @ 115 FPH, WOB-15K T/ 18K, RPM-55/ T/ 60, 390 GPM, LITHOLOGY-70% CLYST, 30% SS, LAST SURVEY @3227', INC-2.60 DEG, AZ-75.00, 10' LOW & 40' NORTH OF THE LINE
--

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	07:00	1.00	1.00	6	TRIPS	P/U DIR TOOLS & SCRIBE, TIH W/BHA
07:00	08:00	1.00	2.00	9	CUT OFF DRILL LINE	SLIP & CUT DRLG LINE
08:00	08:30	0.50	2.50	6	TRIPS	CONT TIH, TAG CEMENT @923'
08:30	09:00	0.50	3.00	21	OPEN	DRILL OUT CEMENT, FLOAT EQUIP & RATHOLE F/923' T/1066'
09:00	06:00	21.00	24.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/1066' T/3488' 2422' @ 115 FPH, WOB-15K T/ 18K, RPM-55/ T/ 60, 390 GPM

Mud Checks						
1,600.0ftKB, 11/24/2014 14:00						
Type DAP	Time 14:00	Depth (ftKB) 1,600.0	Density (lb/gal) 8.40	Funnel Viscosity (s/qt) 28	PV Override (cP) 1.0	YP OR (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
				8.5		1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 1,200.000	Calcium (mg/L) 80.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 500.0		

Drill Strings						
BHA #1, Steerable						
Bit Run 1	Drill Bit 7 7/8in, MM65M, 12401237	Length (ft) 1.00	IADC Bit Dull 4-2-WT-N-X-1-CT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 70.2	
Nozzles (1/32") 16/16/16/16/16		String Length (ft) 636.93		Max Nominal OD (in) 6.500		

String Components Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP
Comment BIT MM65M, SER# 12401237, PART# 866280, 6 X 16S JETS, MM 7/8 3.3, NEWSKO, 1.5 FIXED BEND, .16 RPG, SER#650254

Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	1,066.0	3,488.0	2,422.00	21.00	115.3	390	17	55	1,100.0	85	90	8,500.0

AFE Number 1742113US	
Start Depth (ftKB) 1,066.0	End Depth (ftKB) 3,488.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0

Last Casing String Surface, 1,036.0ftKB
--

Daily Contacts	
Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

Rigs	
Capstar Drilling, 328	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
DAP	35.00	13.0
ENGINEERING	450.00	1.0
LIQUI DRILL	135.00	2.0
RENTAL	50.00	2.0
TAX	1.00	51.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/25/2014  
Report #: 5.0, DFS: 1.88  
Depth Progress: 2,108.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type
-----------------

Weather COLD	Temperature (°F) 25.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR. PROD HOLE @ 5596'	Operation Next 24hrs DRILL 77/8" DIR PROD HOLE, ROTATE & SLIDE
---	---

24 Hr Summary  
DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/3488' T/ 4711' 1223' @111 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/4711' T/ 5596' 885' @71 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM, TOTAL DRILLED-2108' @90 FPH, LITHOLOGY-50% SS, 30% CLYST, 20% SLTST, LAST SURVEY @ 5504'-INC-2.90, AZ-111.00, 29' NORTH & 34' LOW OF THE LINE, 24' INSIDE TARGET WINDOW

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/3488' T/ 4711' 1223' @111 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	SERVICE RIG
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/4711' T/ 5596' 885' @71 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM

## Mud Checks

3,910.0ftKB, 11/25/2014 09:00							
Type DAP	Time 09:00	Depth (ftKB) 3,910.0	Density (lb/gal) 8.50	Funnel Viscosity (s/qt) 27	PV Override (cP) 1.0	YP OR (lb/100ft²) 1.000	
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Filtrate (mL/30min) 4,000.000	Filter Cake (1/32") 80.000	pH 8.5	Sand (%) 0.0	Solids (%) 0.0	1.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 4,000.000	Calcium (mg/L) 80.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)	
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 550.0			

## Drill Strings

## BHA #1, Steerable

Bit Run 1	Drill Bit 7 7/8in, MM65M, 12401237	Length (ft) 1.00	IADC Bit Dull 4-2-WT-N-X-1-CT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 70.2
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 636.93	Max Nominal OD (in) 6.500			

String Components  
Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP

Comment  
BIT MM65M, SER# 12401237,PART# 866280, 6 X 16S JETS,MM 7/8 3.3, NEWSOCO, 1.5 FIXED BEND, .16 RPG, SER#650254

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	3,488.0	5,596.0	4,530.0 0	44.50	89.7	390	18	60	1,100.0	117	132	9,200.0

AFE Number 1742113US	Start Depth (ftKB) 3,488.0	End Depth (ftKB) 5,596.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

## Daily Contacts

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

## Rigs

## Capstar Drilling, 328

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
AQUA SORB	195.00	1.0
DAP	35.00	36.0
ENGINEERING	450.00	1.0
LIQUI DRILL	135.00	1.0
RENTAL	50.00	1.0
TAX	1.00	111.0
TRUCKING	1.00	1,200.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/26/2014  
Report #: 6.0, DFS: 2.88  
Depth Progress: 1,054.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type
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Weather NICE	Temperature (°F) 30.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR PROD HOLE @6650'	Operation Next 24hrs DRILL 77/8" DIR PROD HOLE , ROTATE & SLIDE
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24 Hr Summary DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/5596' T/ 6145' 549' @50 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/6145' T/ 6650' 505'@40 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM, TOTAL DRILLED-1054' @45 FPH, LITHOLOGY-40% SHALE, 35% CLYST, 25% SS, BACKGROUND GAS-87U T/ 144U, CONNECTION GAS-186U T/ 422U, LAST SURVEY @6515'-INC 1.60, AZ 144.30, 19' NORTH & 34' LOW OF THE LINE, 54' INSIDE TARGET WINDOW, NO LOSSES
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Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:00	11.00	11.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/5596' T/ 6145' 549' @50 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM
17:00	17:30	0.50	11.50	7	LUBRICATE RIG	SERVICE RIG
17:30	06:00	12.50	24.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/6145' T/ 6650' 505'@40 FPH,WOB-15K T/ 18K,RPM-55/ T/ 60, 390 GPM

Mud Checks						
5,770.0ftKB, 11/26/2014 09:00						

Type DAP	Time 09:00	Depth (ftKB) 5,770.0	Density (lb/gal) 8.70	Funnel Viscosity (s/qt) 29	PV Override (cP) 1.0	YP OR (lb/100ft²) 1.000
Gel 10 sec (lb/100ft²) 1.000	Gel 10 min (lb/100ft²) 1.000	Filtrate (mL/30min) 4,000.000	Filter Cake (1/32") 60.000	pH 8.0	Sand (%) 0.1	Solids (%) 0.100
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 4,000.000	Calcium (mg/L) 60.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 650.0		

Drill Strings						
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BHA #1, Steerable						
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Bit Run 1	Drill Bit 7 7/8in, MM65M, 12401237	Length (ft) 1.00	IADC Bit Dull 4-2-WT-N-X-1-CT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 70.2
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Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 636.93	Max Nominal OD (in) 6.500
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String Components Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP
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Comment BIT MM65M, SER# 12401237,PART# 866280, 6 X 16S JETS,MM 7/8 3.3, NEWSOCO, 1.5 FIXED BEND, .16 RPG, SER#650254
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Drilling Parameters												
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Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	5,596.0	6,650.0	5,584.0 0	68.00	44.9	390	18	50	1,200.0	134	140	8,500.0

AFE Number 1742113US	
Start Depth (ftKB) 5,596.0	End Depth (ftKB) 6,650.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0

Daily Contacts	
Job Contact	Mobile

FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

Rigs	
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Capstar Drilling, 328	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

1, Gardner-Denver, PZ-9		
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Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

2, Gardner-Denver, PZ-9		
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Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

Mud Additive Amounts		
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Des	Field Est (Cost/unit)	Consumed
BENTONITE	7.50	30.0
DAP	35.00	69.0
ENGINEERING	450.00	1.0
LIQUI DRILL	135.00	3.0
PALLETS	20.00	3.0
RENTAL	50.00	1.0
SAWDUST	4.50	3.0
TAX	1.00	222.0
WRAPS	20.00	3.0

Safety Checks		
Time	Type	Des

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Wellbores	
Wellbore Name	KO MD (ftKB)

Original Hole	
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## Daily Drilling Report

Report for: 11/27/2014  
Report #: 7.0, DFS: 3.88  
Depth Progress: 885.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type

Weather NICE	Temperature (°F) 27.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR PROD HOLE @7535'	Operation Next 24hrs DRILL 77/8" DIR PROD HOLE, ROTATE & SLIDE
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24 Hr Summary  
DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/6650' T/ 7071' 421'@37 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7071' T/ 7535' 464'@37 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM, TOTAL DRILLED-885' @38 FPH, LITHOLOGY-50% SH, 25% CLYST, 15% SS, 10% DOLST, BACK GROUND GAS-61U T/ 182U, CONNECTION GAS-89U T/ 163U, PEAK FORMATION GAS 534U, LAST SURVEY @7401'-INC 1.10, AZ 165.80, 3' NORTH & 65' LOW OF THE LINE, 64' INSIDE TARGET WINDOW, SOME SMALL SEEPAGE

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:30	11.50	11.50	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/6650' T/ 7071' 421'@37 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM
17:30	18:00	0.50	12.00	7	LUBRICATE RIG	SERVICE RIG
18:00	06:30	12.50	24.50	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7071' T/ 7535' 464'@37 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM

## Mud Checks

6,770.0ftKB, 11/27/2014 08:30						
Type DAP	Time 08:30	Depth (ftKB) 6,770.0	Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 29	PV Override (cP) 2.0	YP OR (lb/100ft²) 3.000
Gel 10 sec (lb/100ft²) 2.000	Gel 10 min (lb/100ft²) 3.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.0	Sand (%) 0.0	Solids (%) 3.6
MBT (lb/bbl) 2.5	Alkalinity (mL/mL)	Chlorides (mg/L) 4,500.000	Calcium (mg/L) 40.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 650.0		

## Drill Strings

BHA #1, Steerable						
Bit Run 1	Drill Bit 7 7/8in, MM65M, 12401237	Length (ft) 1.00	IADC Bit Dull 4-2-WT-N-X-1-CT-PR	TFA (incl Noz) (in²) 1.18	BHA ROP... 70.2	
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 636.93		Max Nominal OD (in) 6.500			

String Components  
Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDPComment  
BIT MM65M, SER# 12401237,PART# 866280, 6 X 16S JETS,MM 7/8 3.3, NEWSOCO, 1.5 FIXED BEND, .16 RPG, SER#650254

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	6,650.0	7,535.0	6,469.0 0	91.50	37.7	390	20	60	1,400.0	147	160	10,50 0.0

AFE Number 1742113US	Start Depth (ftKB) 6,650.0	End Depth (ftKB) 7,535.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	

Last Casing String  
Surface, 1,036.0ftKB

## Daily Contacts

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

## Rigs

## Capstar Drilling, 328

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...)
		Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
ALUMINUM STAERATE	130.00	1.0
AQUA SORB	195.00	1.0
BENTONITE	7.50	66.0
DAP	35.00	30.0
ENGINEERING	450.00	1.0
HOLE SEAL	21.00	13.0
PALLETS	20.00	5.0
RENTAL	50.00	1.0
SAWDUST	4.50	102.0
SEA MUD	15.50	55.0
TAX	1.00	433.0
ULTRA SLIDE	1,200.0 0	2.0
WALNUT	14.50	10.0
WRAPS	20.00	4.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	





## Daily Drilling Report

Report for: 11/28/2014  
Report #: 8.0, DFS: 4.88  
Depth Progress: 423.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type	Weather NICE	Temperature (°F) 26.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR PROD HOLE @7958'	Operation Next 24hrs DRILL 77/8" DIR PROD HOLE, ROTATE & SLIDE
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24 Hr Summary  
DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7535' T/ 7662' 127' @42 FPH,WOB-15K T/ 20K,RPM-55 T/ 60, 390 GPM, CHANGE OUT SWIVEL MOTORS T/HIGH TORQUE, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7662' T/ 7697' 35' @23 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM, SPOT 50 BBLS 10.0 PPG BRINE H2O ON BOTTEM, CHECK FLOW (OK) , TOH F/BIT, WORK TIGHT HOLE F/7650' T/ 7590' & 1329' T/ 1220', CONT TOH, L/D BIT #1 & MM, P/U NEW MM, M/U BIT #2, TIH T/7630, FILL PIPE @2800' & 4700', FILL PIPE WASH & REAM F/7630' T/7697', 10' FILL, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7697' T/ 7958' 261' @52 FPH,WOB-14K T/ 16K,RPM-45/ T/ 50, 390 GPM, TOTAL DRILLED-423' @46 FPH, LITHOLOGY-60% SHALE, 30% CLYST, 5% SS, 5% DOLST, BG GAS-142U T/ 191U, CONN. GAS-278U T/ 243U, TRIP GAS 739U, MAHOGANY TOP @6646', LOST 100 BBLS MUD ON BIT TRIP

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	09:00	3.00	3.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7535' T/ 7662' 127' @42 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM
09:00	10:00	1.00	4.00	21	OPEN	CHANGE OUT SWIVEL MOTORS T/HIGH TORQUE
10:00	11:30	1.50	5.50	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7662' T/ 7697' 35' @23 FPH,WOB-15K T/ 20K,RPM-55/ T/ 60, 390 GPM
11:30	17:30	6.00	11.50	6	TRIPS	SPOT 50 BBLS 10.0 PPG BRINE H2O ON BOTTEM, CHECK FLOW (OK) TOH F/BIT, WORK TIGHT HOLE F/7650' T/ 7590' & 1329' T/ 1220', CONT TOH, L/D BIT #1 & MM
17:30	00:30	7.00	18.50	6	TRIPS	P/U NEW MM, M/U BIT #2, TIH T/7630, FILL PIPE @2800' & 4700'
00:30	01:00	0.50	19.00	3	REAMING	FILL PIPE WASH & REAM F/7630' T/7697', 10' FILL
01:00	06:00	5.00	24.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7697' T/ 7958' 261' @52 FPH,WOB-14K T/ 16K,RPM-45 T/ 50, 390 GPM

Mud Checks						
7,660.0ftKB, 11/28/2014 09:00						
Type DAP	Time 09:00	Depth (ftKB) 7,660.0	Density (lb/gal) 8.80	Funnel Viscosity (s/qt) 30	PV Override (cP) 5.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 4.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.0	Sand (%) 0.1	Solids (%) 3.6
MBT (lb/bbl) 2.5	Alkalinity (mL/mL)	Chlorides (mg/L) 4,000.000	Calcium (mg/L) 40.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 50.0	Mud Lost to Hole (bbl) 100.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 750.0		

Drill Strings						
BHA #2, Steerable						
Bit Run 1	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18	BHA ROP... 40.7	
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 576.52	Max Nominal OD (in) 6.500				

String Components Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP
Comment BIT MM65M, SER# 12354264,PART# 866280, 6 X 16S JETS,MM 6 1/2", 7/8 3.3, NEWSCO, 1.5 FIXED BEND, .16 RPG, SER#650160

Drilling Parameters												
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,697.0	7,958.0	261.00	5.00	52.2	390	15	50	1,500.0	148	153	10,00 0.0

AFE Number 1742113US	Start Depth (ftKB) 7,535.0	End Depth (ftKB) 7,958.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

Daily Contacts	
Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

Rigs	
Capstar Drilling, 328	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
ALUMINUM STAERATE	130.00	1.0
DAP	35.00	52.0
ENGINEERING	450.00	1.0
HOLE SEAL	21.00	24.0
PALLETS	20.00	2.0
RENTAL	50.00	1.0
SAWDUST	4.50	80.0
SEA MUD	15.50	46.0
TAX	1.00	268.0
WALNUT	14.50	15.0
WRAPS	20.00	2.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 11/29/2014  
Report #: 9.0, DFS: 5.88  
Depth Progress: 1,042.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type	Weather NICE	Temperature (°F) 42.0	Road Condition GOOD	Hole Condition Good
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Operation At 6am DRILLING 77/8" DIR PROD HOLE @ 9000'	Operation Next 24hrs DRILL 77/8" DIR PROD HOLE
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24 Hr Summary  
DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7958' T/ 8591' 633' @60 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/8591' T/ 9000' 409'@31 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM,TOTAL DRILLED-1042' @ 44 FPH, LITHOLOGY-70% CLYST, 20% SS, 10% LS, BG GAS-67U T/ 161 U, CONN. GAS-163U T/ 274U, MAX FORM. GAS-316U, TGR3 TOP @7910, DOUGLAS CREEK TOP @8372', BLACK SHALE TOP @8575', CASTLE PEAK TOP @8741',LAST SURVEY @8794'-INC 2.80, AZ-164.00, 76' INSIDE TARGET WINDOW,LOST 100 BBLS MUD T/HOLE

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:30	10.50	10.50	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/7958' T/ 8591' 633'@60 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM
16:30	17:00	0.50	11.00	7	LUBRICATE RIG	SERVICE RIG
17:00	06:00	13.00	24.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/8591' T/ 9000' 409'@31 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM

## Mud Checks

8,340.0ftKB, 11/29/2014 11:30						
Type DAP	Time 11:30	Depth (ftKB) 8,340.0	Density (lb/gal) 8.90	Funnel Viscosity (s/qt) 29	PV Override (cP) 2.0	YP OR (lb/100ft²) 2,000
Gel 10 sec (lb/100ft²) 2,000	Gel 10 min (lb/100ft²) 3,000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.5	Sand (%) 0.0	Solids (%) 4.0
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L) 9,000.000	Calcium (mg/L) 40,000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 100.0	Mud Lost to Hole (bbl) 100.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 770.0		

## Drill Strings

BHA #2, Steerable						
Bit Run 1	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18	BHA ROP... 40.7	
Nozzles (1/32") 16/16/16/16/16	String Length (ft) 576.52	Max Nominal OD (in) 6.500				

String Components  
Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP  
Comment  
BIT MM65M, SER# 12354264,PART# 866280, 6 X 16S JETS,MM 6 1/2", 7/8 3.3, NEWSCO, 1.5 FIXED BEND, .16 RPG, SER#650160

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	7,958.0	9,000.0	1,303.0 0	28.50	44.3	390	20	50	1,550.0	163	170	10,30 0.0

AFE Number 1742113US	Start Depth (ftKB) 7,958.0	End Depth (ftKB) 9,000.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

Daily Contacts	
Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

## Rigs

Capstar Drilling, 328	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
DAP	35.00	33.0
ENGINEERING	450.00	1.0
HOLE SEAL	21.00	21.0
PALLETS	20.00	4.0
RENTAL	50.00	1.0
SAWDUST	4.50	115.0
SEA MUD	15.50	72.0
TAX	1.00	237.0
WRAPS	20.00	4.0

## Safety Checks

Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	





## Daily Drilling Report

Report for: 11/30/2014  
Report #: 10.0, DFS: 6.88  
Depth Progress: 740.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047		Surface Legal Location 10-36-5-19		License # STATE	
Spud Date 9/16/2014 16:00		Date TD Reached (wellbore) 12/1/2014 20:00		Rig Release Date 12/5/2014 04:00	
				Ground Elevation (ft) 5,255.00	
				Orig KB Elev (ft) 5,267.00	
Completion Type					
Weather PARTLY CLOUDY		Temperature (°F) 29.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am DRILLING 77/8" DIR PROD HOLE @9740'				Operation Next 24hrs DRILL 77/8" DIR PROD HOLE T/TD @ 10,365', PUMP SWEEP, CIRC HOLE CLEAN	

24 Hr Summary  
DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9000' T/ 9392' 392'@34 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9392' T/ 9740' 348'@29 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM, TOTAL DRILLED-740' @ 32 FPH, LITHOLOGY-90% CLYST, 10% SS, UTELAND BUTTE TOP-8832', WASATCH TOP-8945'(MUD LOGGER), LAST SURVEY @9553'-INC 2.8 DEG, AZ-168.70, E/W-84' INSIDE TARGET, N/S-71' INSIDE TARGET

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	17:30	11.50	11.50	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9000' T/ 9392' 392'@34 FPH,WOB-16K T/ 20K,RPM-45 T/ 50, 390 GPM
17:30	18:00	0.50	12.00	7	LUBRICATE RIG	SERVICE RIG
18:00	18:00		12.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9392' T/ 9740' 348'@29 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM

## Mud Checks

9,160.0ftKB, 11/30/2014 11:00

Type DAP	Time 11:00	Depth (ftKB) 9,160.0	Density (lb/gal) 9.10	Funnel Viscosity (s/qt) 31	PV Override (cP) 4.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 6.000	Filtrate (mL/30min)	Filter Cake (1/32") 1	pH 8.0	Sand (%) 0.0	Solids (%) 5.8
MBT (lb/bbl) 5.0	Alkalinity (mL/mL)	Chlorides (mg/L) 7,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²)
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl) 850.0		

## Drill Strings

## BHA #2, Steerable

Bit Run 1	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18	BHA ROP... 40.7
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 576.52	Max Nominal OD (in) 6.500			

## String Components

Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP

## Comment

BIT MM65M, SER# 12354264,PART# 866280, 6 X 16S JETS,MM 6 1/2", 7/8 3.3, NEWSKO, 1.5 FIXED BEND, .16 RPG, SER#650160

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	9,000.0	9,740.0	2,043.0 0	52.00	31.5	390	20	50	1,550.0	175	180	10,50 0.0

AFE Number 1742113US	
Start Depth (ftKB) 9,000.0	End Depth (ftKB) 9,740.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0

## Daily Contacts

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

## Rigs

## Capstar Drilling, 328

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s...) Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
ALUMINUM STAERATE	130.00	1.0
DAP	35.00	56.0
ENGINEERING	450.00	1.0
HOLE SEAL	21.00	13.0
PALLETS	20.00	3.0
RENTAL	50.00	1.0
SAWDUST	4.50	55.0
SEA MUD	15.50	17.0
TAX	1.00	233.0
TRUCKING	1.00	1,200.0
WALNUT	14.50	23.0
WRAPS	20.00	3.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 12/1/2014  
Report #: 11.0, DFS: 7.88  
Depth Progress: 625.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047		Surface Legal Location 10-36-5-19		License # STATE					
Spud Date 9/16/2014 16:00		Date TD Reached (wellbore) 12/1/2014 20:00		Rig Release Date 12/5/2014 04:00		Ground Elevation (ft) 5,255.00		Orig KB Elev (ft) 5,267.00	
Completion Type									
Weather CLEAR		Temperature (°F) 28.0		Road Condition GOOD			Hole Condition Good		
Operation At 6am TOH F/LOGS @2200'				Operation Next 24hrs FINISH TOH, F/LOGS, L/D BHA, DIR TOOLS & BIT #2,HOLD SAFTEY MEETING, R/U HALLIBURTON WIRELINE,RUN OPEN HOLE LOGS, R/U & RUN 5 1/2" P-110 PROD CSG					

## 24 Hr Summary

DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9740' T/ 10,199' 459'@46 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM, SERVICE RIG, DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/10,199' T/ 10,365' 166'@47 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM,(TD 77/8" DIR PROD HOLE @20:00 12/1/2014), PUMP HI VIS LCM SWEEP, CIRC HOLE CLEAN, PUMP DRY JOB, CHECK FLOW, TOH F/LOGS T/6000', CIRC BOTTEMS UP @ 6000', CONT TOH F/LOGS, TOTAL DRILLED-625' @ 46 FPH, LITHOLOGY-90% CLYST, 10% SS, BG GAS-28U T/ 53U, CONN. GAS-103U T/ 355U, MAX GAS-207U, LAST SURVEY @10,315'-INC 2.60, AZ 178.00, SOME SMALL SEEPAGE, APROX 50 BBLs MUD LOST T/HOLE,CURRENTLY TOH F/LOGS @2200'

## Time Log

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	16:00	10.00	10.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/9740' T/ 10,199' 459'@46 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM
16:00	16:30	0.50	10.50	7	LUBRICATE RIG	SERVICE RIG
16:30	20:00	3.50	14.00	2	DRILL ACTUAL	DRILL 77/8 DIR. PROD HOLE ROTATE & SLIDE F/10,199' T/ 10,365' 166'@47 FPH,WOB-16K T/ 23K,RPM-45 T/ 50, 390 GPM,(TD 77/8" DIR PROD HOLE @20:00 12/1/2014)
20:00	23:00	3.00	17.00	5	COND MUD & CIRC	PUMP HI VIS LCM SWEEP, CIRC HOLE CLEAN, PUMP DRY JOB
23:00	01:00	2.00	19.00	6	TRIPS	CHECK FLOW, TOH F/LOGS T/6000'
01:00	02:00	1.00	20.00	5	COND MUD & CIRC	CIRC BOTTEMS UP @ 6000'
02:00	06:00	4.00	24.00	6	TRIPS	CONT TOH/ F LOGS

## Mud Checks

9,895.0ftKB, 12/1/2014 09:30

Type DAP	Time 09:30	Depth (ftKB) 9,895.0	Density (lb/gal) 9.20	Funnel Viscosity (s/qt) 31	PV Override (cP) 4.0	YP OR (lb/100ft²) 5.000
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 6.000	Filtrate (mL/30min) 5,000.000	Filter Cake (1/32") 20.000	pH 8.0	Sand (%) 0.0	Solids (%) 6.5
MBT (lb/bbl) 5.0	Alkalinity (mL/mL) 5.0	Chlorides (mg/L) 5,000.000	Calcium (mg/L) 20.000	Pf (mL/mL) 0.1	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²) 900.0
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 50.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

## Drill Strings

## BHA #2, Steerable

Bit Run 1	Drill Bit 7 7/8in, MM65M, 12354264	Length (ft) 1.00	IADC Bit Dull -----	TFA (incl Noz) (in²) 1.18	BHA ROP... 40.7
Nozzles (1/32") 16/16/16/16/16/16	String Length (ft) 576.52	Max Nominal OD (in) 6.500			

## String Components

Security DBS MM65M, Mud Motor - Bent Housing, MWD - Directional, NMDC, NMDC, Drill Collar, HWDP

## Comment

BIT MM65M, SER# 12354264,PART# 866280, 6 X 16S JETS,MM 6 1/2", 7/8 3.3, NEWSCO, 1.5 FIXED BEND, .16 RPG, SER#650160

## Drilling Parameters

Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)	Drill Tq
Original Hole	9,740.0	10,365.0	2,668.0	65.50	46.3	390	23	50	1,600.0	185	190	11,60
			0									0.0

AFE Number 1742113US	Start Depth (ftKB) 9,740.0	End Depth (ftKB) 10,365.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

## Daily Contacts

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

## Rigs

## Capstar Drilling, 328

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

## 1, Gardner-Denver, PZ-9

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

## 2, Gardner-Denver, PZ-9

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

## Mud Additive Amounts

Des	Field Est (Cost/unit)	Consumed
BARITE	10.65	80.0
DAP	35.00	56.0
ENGINEERING	450.00	1.0
HOLE SEAL	21.00	20.0
PALLETS	20.00	6.0
RENTAL	50.00	1.0
SAWDUST	4.50	45.0
SEA MUD	15.50	180.0
TAX	1.00	436.0
WALNUT	14.50	42.0
WRAPS	20.00	6.0

## Safety Checks

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Report for: 12/2/2014  
Report #: 12.0, DFS: 8.88  
Depth Progress: 0.00

UWI/API 43-047-54047		Surface Legal Location 10-36-5-19		License # STATE	
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00	
Completion Type					
Weather CLOUDY	Temperature (°F) 33.0	Road Condition GOOD		Hole Condition Good	
Operation At 6am TOH F/LOGS @4200'		Operation Next 24hrs CONT TOH F/LOGS, LOG WELL, RUN 5 1/2" PROD CSG			

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	08:00	2.00	2.00	6	TRIPS	CONT TOH, L/D BHA, DIR TOOLS & BIT #2
08:00	12:30	4.50	6.50	11	WIRELINE LOGS	HOLD SAFTEY MEETING,R/U HALLIBURTON WIRELINE,P/U LOGGING TOOLS RIH,TAG BRIDGE @3535', ATTEMPT T/WORK THRU BRIDGE, NO SUCCESS,POOH W/ LOGGING TOOLS & L/D, R/D HALLIBURTON WIRELINE
12:30	13:30	1.00	7.50	9	CUT OFF DRILL LINE	SLIP & CUT 175' DRLG LINE
13:30	14:00	0.50	8.00	7	LUBRICATE RIG	SERVICE RIG
14:00	18:00	4.00	12.00	6	TRIPS	P/U 1- 6 1/2" DC/ M/U BIT SUB W/FLOAT AND TRI CONE 77/8" BIT, P/U 10-HWDP, TIH F/ CLEAN OUT, TAG BRIDGE @3560',
18:00	19:00	1.00	13.00	3	REAMING	FILL PIPE, WASH & REAM THRU BRIDGE F/3560' T/3620', WASH THRU BRIDGES @3822' T/3867' & 4515' T/ 4611'
19:00	06:00	11.00	24.00	6	TRIPS	CONT TIH TAG BOTTEM @ 10,356', TOH/ LOGS,WORK TIGHT SPOT F/10,328' T/ 10,297', PUMP DRY JOB CONT TOH F/LOGS T/4200' @ 06:00

Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)
DAP	11:00	10,365.0	9.20	31	4.0	5.000
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)
3.000	5.000			1	8.0	6.5
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)
5.0		4,800.000	20.000	0.1	0.100	
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		
50.0	50.0	0.0				700.0

Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
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Nozzles (1/32")	String Length (ft)	Max Nominal OD (in)
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## String Components

Comment
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[illegible]

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

Contractor <b>Capstar Drilling</b>	Rig Number <b>328</b>
Rig Supervisor <b>JEREMY DEAKIN</b>	Phone Mobile <b>307-315-3247</b>

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...
P (psi)	Slow Spd	Strokes (s... Eff (%)

Pump # 2	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)

Des	Field Est (Cost/unit)	Consumed
BARITE	10.65	80.0
DAP	35.00	14.0
ENGINEERING	450.00	1.0
PALLETS	20.00	2.0
RENTAL	50.00	1.0
SAWDUST	4.50	4.0
SEA MUD	15.50	99.0
TAX	1.00	158.0
WALNUT	14.50	9.0
WRAPS	20.00	2.0

Time	Type	Des

## Wellbores

Wellbore Name	KO MD (ftKB)
Original Hole	

Report for: 12/3/2014  
Report #: 13.0, DFS: 9.88  
Depth Progress: 0.00

UWI/API 43-047-54047		Surface Legal Location 10-36-5-19		License # STATE	
Spud Date 9/16/2014 16:00		Date TD Reached (wellbore) 12/1/2014 20:00		Rig Release Date 12/5/2014 04:00	
				Ground Elevation (ft) 5,255.00	
				Orig KB Elev (ft) 5,267.00	
Completion Type					
Weather CLOUDY		Temperature (°F) 25.0		Road Condition GOOD	
				Hole Condition Good	
Operation At 6am TOH W/DP,@3500' T/RUN 5 1/2" PROD. CSG				Operation Next 24hrs FINISH TOH W/DP, HOLD SAFTEY MEETING, R/U & RUN & CEMENT 5 1/2" P-110 17# CSG,NIPPLE DOWN, CLEAN MUD TANKS. RELEASE RIG	

24 Hr Summary

CONT TOH F/LOGS, L/D BHA & TRI CONE BIT, HOLD SAFTEY MEETING, R/U HALLIBURTON WIRELINE,P/U LOGGING TOOLS, RIH, TAG BRIDGE @ 5308', ATTEMPT T/WORK THRU BRIDGE, NO SUCCESS, POH W/LOGGING TOOLS & L/D, R/D HALLIBURTON WIRELINE, LAY OUT DP ON PIPE RACKS, DRIFT DP. P/U DP & TIH OPEN ENDED F/SLIM HOLE LOGS T/6029' END OF PIPE, SPOT HI VIS PILL @ 3500' T/ 6029', BEHIND PIPE, HOLD SAFTEY MEETING R/U HALLIBURTON WIRELINE, P/U SLIM HOLE QUAD COMBO LOGGING TOOLS, RIH THRU DP T/10,300' LOGGERS TD, DRILLERS TD-10,365', LOG UP W/QUAD COMBO SUITE F/10,300' T/ END OF PIPE @ 6029,CONT T/POOH W/LOGGING TOOLS THRU DP W/NEUTRON & GAMMA RAY LOGS T/SURF. CSG, POOH W/LOGGING TOOLS & L/D, R/D HALLIBURTON WIRELINE, WORK DP FREE, TOH W/DP T/RUN 5 1/2" PROD CSG. @ 3500'

Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	10:00	4.00	4.00	6	TRIPS	CONT TOH F/LOGS, L/D BHA & TRI CONE BIT
10:00	15:00	5.00	9.00	11	WIRELINE LOGS	HOLD SAFTEY MEETING, R/U HALLIBURTON WIRELINE, P/U LOGGING TOOLS, RIH, TAG BRIDGE @ 5308', ATTEMPT T/WORK THRU BRIDGE, NO SUCCESS, POH W/LOGGING TOOLS & L/D, R/D HALLIBURTON WIRELINE
15:00	20:30	5.50	14.50	6	TRIPS	LAY OUT DP ON PIPE RACKS, DRIFT DP. P/U DP & TIH OPEN ENDED F/SLIM HOLE LOGS T/6029' END OF PIPE
20:30	21:30	1.00	15.50	5	COND MUD & CIRC	SPOT HI VIS PILL @ 3500' T/ 6029', BEHIND PIPE
21:30	03:30	6.00	21.50	11	WIRELINE LOGS	HOLD SAFTEY MEETING R/U HALLIBURTON WIRELINE, P/U SLIM HOLE QUAD COMBO LOGGING TOOLS, RIH THRU DP T/10,300' LOGGERS TD, DRILLERS TD-10,365', LOG UP W/QUAD COMBO SUITE F/10,300' T/ END OF PIPE @ 6029, CONT T/POOH W/LOGGING TOOLS THRU DP W/NEUTRON & GAMMA RAY LOGS T/SURF. CSG, POOH W/LOGGING TOOLS & L/D, R/D HALLIBURTON WIRELINE
03:30	06:00	2.50	24.00	6	TRIPS	WORK DP FREE, TOH W/DP T/RUN 5 1/2" PROD CSG, @ 3500'

10,365.0ftKB, 12/3/2014 09:00							
Type	Time	Depth (ftKB)	Density (lb/gal)	Funnel Viscosity (s/qt)	PV Override (cP)	YP OR (lb/100ft²)	
DAP	09:00	10,365.0	9.20	30	4.0	4.000	
Gel 10 sec (lb/100ft²)	Gel 10 min (lb/100ft²)	Filtrate (mL/30min)	Filter Cake (1/32")	pH	Sand (%)	Solids (%)	
3.000	5.000		1	8.5	0.0	6.5	
MBT (lb/bbl)	Alkalinity (mL/mL)	Chlorides (mg/L)	Calcium (mg/L)	Pf (mL/mL)	Pm (mL/mL)	Gel 30 min (lb/100ft²)	
2.5		5,000.000	20.000	0.1	0.100		
Whole Mud Added (bbl)	Mud Lost to Hole (bbl)	Mud Lost to Surface (bbl)	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)			
0.0	0.0	0.0	0.0	840.0			

BHA #<stringno>, <des>				
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)
Nozzles (1/32")		String Length (ft)	Max Nominal OD (in)	
String Components				
Comment				

[illegible]

AFE Number 1742113US	
Start Depth (ftKB) 10,365.0	End Depth (ftKB) 10,365.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0

Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

**Capstar Drilling, 328**

Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

Pump # 1	Pwr (hp)	Rod Dia (in)
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)
P (psi)	Slow Spd	Strokes (s... Eff (%)

Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...	
P (psi)	Slow Spd	Strokes (s...	Eff (%)

Des	Field Est (Cost/unit)	Consumed
BARITE	10.65	160.0
ENGINEERING	450.00	1.0
PALLETS	20.00	1.0
RENTAL	50.00	1.0
SAWDUST	4.50	28.0
SEA MUD	15.50	22.0
TAX	1.00	35.0
TRUCKING	1.00	1,200.0
WRAPS	20.00	1.0

Time	Type	Des

Wellbore Name	KO MD (ftKB)
Original Hole	



## Daily Drilling Report

Report for: 12/4/2014  
Report #: 14.0, DFS: 10.88  
Depth Progress: 0.00

Well Name: OURAY VALLEY STATE 10-36-5-19E

UWI/API 43-047-54047	Surface Legal Location 10-36-5-19	License # STATE
Spud Date 9/16/2014 16:00	Date TD Reached (wellbore) 12/1/2014 20:00	Rig Release Date 12/5/2014 04:00
	Ground Elevation (ft) 5,255.00	Orig KB Elev (ft) 5,267.00

Completion Type	Weather COLD	Temperature (°F) 28.0	Road Condition GOOD	Hole Condition Good
-----------------	-----------------	--------------------------	------------------------	------------------------

Operation At 6am RIGGING DOWN	Operation Next 24hrs MOVE RIG IN ON THE OURAY VALLEY STATE 12-36-5-19E, SET IN RIG, RIG UP, NIPPLE UP BOPE, PRESS TEST BOPE,P/U BHA, TIH, DRIL OUT, DRILL 77/8" DIR PROD HOLE
----------------------------------	--

24 Hr Summary  
FINISH TOH W/DP, HOLD SAFTEY MEEETING, R/U & RUN 228 JNTS 5 1/2" 17# P-110 LT&C CSG W/THE SHOE SET @10,283' KB & FLOAT COLLAR SET@10,236' KB, LAND CSG W/140K ON CSG HANGER, (WORKED STUCK CSG FREE @9029')HOLD SAFTEY MEETING R/U HALLIBURTON CEMENTERS, INSTALL CEMENT HEAD, PRESS TEST LINES T/5000 PSI(OK), PUMP 10 BBLS FRESH WATER AHEAD, 325 SKS 10.5 PPG 3.66 CUFT/SK YEILD LEAD CEMENT(212 BBLS), 845 SKS 13.1 PPG 1.66 CUFT/SK YIELD TAIL CEMENT(250 BBLS),WASH UP LINES TO PIT,DROP LATCH DOWN PLUG, DISPLACE W/237 BBLS FRESH WATER, BUMP PLUG T/2980 PSI, BLEED OFF, FLOATS HELD,FINAL LIFT PRESS. 2480 PSI, "FULL T/ PARTIAL RETURNS THRU OUT JOB", NO CEMENT T/SURF,NIPPLE DOWN BOPE, CLEAN MUD TANKS RIG RELEASED @04:00 12/5/2014, RIG DOWN

Time Log						
Start Time	End Time	Dur (hr)	Cum Dur (hr)	Aty Code	Activity	Com
06:00	08:30	2.50	2.50	6	TRIPS	FINISH TOH W/DP
08:30	21:00	12.50	15.00	12	RUN CASING & CEMENT	HOLD SAFTEY MEEETING, R/U & RUN 228 JNTS 5 1/2" 17# P-110 LT&C CSG W/THE SHOE SET @10,283' KB & FLOAT COLLAR SET@10,236' KB, LAND CSG W/140K ON CSG HANGER (WORKED STUCK CSG FREE @9029')
21:00	00:00	3.00	18.00	12	RUN CASING & CEMENT	HOLD SAFTEY MEETING R/U HALLIBURTON CEMENTERS, INSTALL CEMENT HEAD, PRESS TEST LINES T/5000 PSI(OK), PUMP 10 BBLS FRESH WATER AHEAD, 325 SKS 10.5 PPG 3.66 CUFT/SK YEILD LEAD CEMENT(212 BBLS), 845 SKS 13.1 PPG 1.66 CUFT/SK YIELD TAIL CEMENT(250 BBLS),WASH UP LINES TO PIT,DROP LATCH DOWN PLUG, DISPLACE W/237 BBLS FRESH WATER, BUMP PLUG T/2980 PSI, BLEED OFF, FLOATS HELD,FINAL LIFT PRESS. 2480 PSI, "FULL T/ PARTIAL RETURNS THRU OUT JOB", NO CEMENT T/SURF
00:00	04:00	4.00	22.00	14	NIPPLE UP B.O.P	NIPPLE DOWN BOPE, CLEAN MUD TANKS RIG RELEASED @04:00 12/5/2014
04:00	06:00	2.00	24.00			RIG DOWN

Mud Checks						
10,365.0ftKB, 12/4/2014 10:30						
Type DAP	Time 10:30	Depth (ftKB) 10,365.0	Density (lb/gal) 9.20	Funnel Viscosity (s/qt) 30	PV Override (cP) 3.0	YP OR (lb/100ft²) 4.000
Gel 10 sec (lb/100ft²) 3.000	Gel 10 min (lb/100ft²) 5.000	Filtrate (mL/30min) 48,000.000	Filter Cake (1/32") 1	pH 8.0	Sand (%) 0.0	Solids (%) 7.0
MBT (lb/bbl) 2.5	Alkalinity (mL/mL) 48,000.000	Chlorides (mg/L) 20.000	Calcium (mg/L) 0.1	Pf (mL/mL) 0.100	Pm (mL/mL) 0.100	Gel 30 min (lb/100ft²) 800.0
Whole Mud Added (bbl) 0.0	Mud Lost to Hole (bbl) 0.0	Mud Lost to Surface (bbl) 0.0	Reserve Mud Volume (bbl)	Active Mud Volume (bbl)		

Drill Strings					
BHA #<stringno>, <des>					
Bit Run	Drill Bit	Length (ft)	IADC Bit Dull	TFA (incl Noz) (in²)	BHA ROP...
Nozzles (1/32")		String Length (ft)		Max Nominal OD (in)	
String Components					
Comment					

Drilling Parameters											
Wellbore	Start (ftKB)	End Depth (ftKB)	Cum Depth (ft)	Cum Drill Time (hr)	Int ROP (ft/hr)	Q Flow (gpm)	WOB (1000lbf)	RPM (rpm)	SPP (psi)	Drill Str Wt (1000lbf)	PU Str Wt (1000lbf)

AFE Number 1742113US	Start Depth (ftKB) 10,365.0	End Depth (ftKB) 10,365.0
Target Formation WASTACH	Target Depth (ftKB) 10,365.0	
Last Casing String Surface, 1,036.0ftKB		

Daily Contacts	
Job Contact	Mobile
FLOYD MITCHELL	435-828-1436
SCOTT SEELY	435-828-1101

Rigs	
Capstar Drilling, 328	
Contractor Capstar Drilling	Rig Number 328
Rig Supervisor JEREMY DEAKIN	Phone Mobile 307-315-3247

1, Gardner-Denver, PZ-9			
Pump # 1	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

2, Gardner-Denver, PZ-9			
Pump # 2	Pwr (hp)	Rod Dia (in)	
Liner Size (in)	Stroke (in)	Vol/Stk OR (b...)	
P (psi)	Slow Spd	Strokes (s...)	Eff (%)

Mud Additive Amounts		
Des	Field Est (Cost/unit)	Consumed
BARITE	10.65	80.0
DAP	35.00	9.0
ENGINEERING	450.00	1.0
LIQUI DRILL	135.00	3.0
RENTAL	50.00	1.0
TAX	1.00	41.0

Safety Checks		
Time	Type	Des

Wellbores	
Wellbore Name	KO MD (ftKB)
Original Hole	



<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b> OURAY VALLEY
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Ouray Valley State 10-36-5-19E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1975 FSL 2286 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 05.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047540470000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 1/24/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <input style="width: 100px;" type="text"/>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.  Crescent Point Energy reports the first production of hydrocarbons from Ouray Valley State 10-36-5-19E on January 24, 2015.		
Accepted by the Utah Division of Oil, Gas and Mining <b>FOR RECORD ONLY</b> March 23, 2015		
<b>NAME (PLEASE PRINT)</b> Kelly Beverlin	<b>PHONE NUMBER</b> 720 880-3635	<b>TITLE</b> Engineering Technician
<b>SIGNATURE</b> N/A	<b>DATE</b> 3/20/2015	

STATE OF UTAH  
DEPARTMENT OF NATURAL RESOURCES  
DIVISION OF OIL, GAS AND MININGAMENDED REPORT ☐ FORM 8  
(highlight changes)

<b>WELL COMPLETION OR RECOMPLETION REPORT AND LOG</b>						5. LEASE DESIGNATION AND SERIAL NUMBER:				
						6. IF INDIAN, ALLOTTEE OR TRIBE NAME				
1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER _____  b. TYPE OF WORK: NEW WELL <input type="checkbox"/> HORIZ. LATS. <input type="checkbox"/> DEEP-EN <input type="checkbox"/> RE-ENTRY <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER _____						7. UNIT or CA AGREEMENT NAME				
						8. WELL NAME and NUMBER:				
2. NAME OF OPERATOR:						9. API NUMBER:				
3. ADDRESS OF OPERATOR: CITY STATE ZIP					PHONE NUMBER:		10 FIELD AND POOL, OR WILDCAT			
4. LOCATION OF WELL (FOOTAGES) AT SURFACE:  AT TOP PRODUCING INTERVAL REPORTED BELOW:  AT TOTAL DEPTH:						11. QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:				
						12. COUNTY		13. STATE UTAH		
14. DATE SPUDDED:		15. DATE T.D. REACHED:		16. DATE COMPLETED: ABANDONED <input type="checkbox"/> READY TO PRODUCE <input type="checkbox"/>		17. ELEVATIONS (DF, RKB, RT, GL):				
18. TOTAL DEPTH: MD TVD		19. PLUG BACK T.D.: MD TVD		20. IF MULTIPLE COMPLETIONS, HOW MANY? *		21. DEPTH BRIDGE MD PLUG SET: TVD				
22. TYPE ELECTRIC AND OTHER MECHANICAL LOGS RUN (Submit copy of each)					23. WAS WELL CORED? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit analysis) WAS DST RUN? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit report) DIRECTIONAL SURVEY? NO <input type="checkbox"/> YES <input type="checkbox"/> (Submit copy)					
<b>24. CASING AND LINER RECORD (Report all strings set in well)</b>										
HOLE SIZE	SIZE/GRADE	WEIGHT (#/ft.)	TOP (MD)	BOTTOM (MD)	STAGE CEMENTER DEPTH	CEMENT TYPE & NO. OF SACKS	SLURRY VOLUME (BBL)	CEMENT TOP **	AMOUNT PULLED	
<b>25. TUBING RECORD</b>										
SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)		
<b>26. PRODUCING INTERVALS</b>					<b>27. PERFORATION RECORD</b>					
FORMATION NAME	TOP (MD)	BOTTOM (MD)	TOP (TVD)	BOTTOM (TVD)	INTERVAL (Top/Bot - MD)	SIZE	NO. HOLES	PERFORATION STATUS		
(A)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
(B)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
(C)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
(D)								Open <input type="checkbox"/>	Squeezed <input type="checkbox"/>	
<b>28. ACID, FRACTURE, TREATMENT, CEMENT SQUEEZE, ETC.</b>										
DEPTH INTERVAL		AMOUNT AND TYPE OF MATERIAL								
29. ENCLOSED ATTACHMENTS:								30. WELL STATUS:		
<input type="checkbox"/> ELECTRICAL/MECHANICAL LOGS				<input type="checkbox"/> GEOLOGIC REPORT		<input type="checkbox"/> DST REPORT		<input type="checkbox"/> DIRECTIONAL SURVEY		
<input type="checkbox"/> SUNDRY NOTICE FOR PLUGGING AND CEMENT VERIFICATION				<input type="checkbox"/> CORE ANALYSIS		<input type="checkbox"/> OTHER: _____				

**31. INITIAL PRODUCTION****INTERVAL A (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL B (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL C (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**INTERVAL D (As shown in item #26)**

DATE FIRST PRODUCED:		TEST DATE:		HOURS TESTED:		TEST PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	PROD. METHOD:
CHOKE SIZE:	TBG. PRESS.	CSG. PRESS.	API GRAVITY	BTU – GAS	GAS/OIL RATIO	24 HR PRODUCTION RATES: →	OIL – BBL:	GAS – MCF:	WATER – BBL:	INTERVAL STATUS:

**32. DISPOSITION OF GAS (Sold, Used for Fuel, Vented, Etc.)****33. SUMMARY OF POROUS ZONES (Include Aquifers):**

Show all important zones of porosity and contents thereof: Cored intervals and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures and recoveries.

**34. FORMATION (Log) MARKERS:**

Formation	Top (MD)	Bottom (MD)	Descriptions, Contents, etc.	Name	Top (Measured Depth)

**35. ADDITIONAL REMARKS (Include plugging procedure)**

**36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records.**

NAME (PLEASE PRINT) \_\_\_\_\_ TITLE \_\_\_\_\_

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

This report must be submitted within 30 days of

- completing or plugging a new well
- drilling horizontal laterals from an existing well bore
- recompleting to a different producing formation
- reentering a previously plugged and abandoned well
- significantly deepening an existing well bore below the previous bottom-hole depth
- drilling hydrocarbon exploratory holes, such as core samples and stratigraphic tests

\* ITEM 20: Show the number of completions if production is measured separately from two or more formations.

\*\* ITEM 24: Cement Top – Show how reported top(s) of cement were determined (circulated (CIR), calculated (CAL), cement bond log (CBL), temperature survey (TS)).

Send to: Utah Division of Oil, Gas and Mining  
1594 West North Temple, Suite 1210  
Box 145801  
Salt Lake City, Utah 84114-5801

Phone: 801-538-5340

Fax: 801-359-3940



## **CRESCENT POINT ENERGY CORP.**

**UINTAH COUNTY UT**

**Ouray Valley State 10-36-5-19E**

**Ouray Valley State 10-36-5-19E**

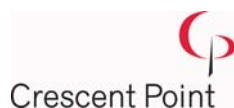
**Ouray Valley State 10-36-5-19E**

**Survey: Survey #1**

## **Standard Survey Report**

**02 December, 2014**





<b>Company:</b>	CRESCENT POINT ENERGY CORP.	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Project:</b>	UINTAH COUNTY UT	<b>TVD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>MD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Ouray Valley State 10-36-5-19E	<b>Database:</b>	EDM 5000.1 Single User Db

<b>Project</b>	UINTAH COUNTY UT		
<b>Map System:</b>	US State Plane 1983	<b>System Datum:</b>	Mean Sea Level
<b>Geo Datum:</b>	North American Datum 1983		
<b>Map Zone:</b>	Utah Central Zone		

Site	Ouray Valley State 10-36-5-19E				
Site Position:		Northing:	7,296,256.03 usft	Latitude:	40° 20' 12.545 N
From:	Lat/Long	Easting:	2,131,716.06 usft	Longitude:	109° 44' 14.878 W
Position Uncertainty:	0.00 ft	Slot Radius:	13-3/16"	Grid Convergence:	1.13 °

Well	Ouray Valley State 10-36-5-19E					
Well Position	+N/-S	0.00 ft	Northing:	7,296,256.03 usft	Latitude:	40° 20' 12.545 N
	+E/-W	0.00 ft	Easting:	2,131,716.06 usft	Longitude:	109° 44' 14.878 W
Position Uncertainty		0.00 ft	Wellhead Elevation:	ft	Ground Level:	5,255.00 ft

<b>Wellbore</b>	Ouray Valley State 10-36-5-19E				
<b>Magnetics</b>	<b>Model Name</b>	<b>Sample Date</b>	<b>Declination (°)</b>	<b>Dip Angle (°)</b>	<b>Field Strength (nT)</b>
	IGRF2010	11/20/14	10.78	66.01	52,135

Design	Ouray Valley State 10-36-5-19E				
Audit Notes:					
Version:	1.0	Phase:	ACTUAL	Tie On Depth:	0.00
Vertical Section:	Depth From (TVD) (ft)		+N/-S (ft)	+E/-W (ft)	Direction (°)
	0.00		0.00	0.00	112.33

<b>Survey Program</b>	<b>Date</b>	12/02/14			
<b>From (ft)</b>	<b>To (ft)</b>	<b>Survey (Wellbore)</b>	<b>Tool Name</b>	<b>Description</b>	
1,076.00	10,365.00	Survey #1 (Ouray Valley State 10-36-5-19E	MWD	MWD - Standard	

<b>Survey</b>										
<b>Measured Depth (ft)</b>	<b>Inclination (°)</b>	<b>Azimuth (°)</b>	<b>Vertical Depth (ft)</b>	<b>+N/-S (ft)</b>	<b>+E/-W (ft)</b>	<b>Vertical Section (ft)</b>	<b>Dogleg Rate (°/100usft)</b>	<b>Build Rate (°/100usft)</b>	<b>Turn Rate (°/100usft)</b>	
0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
1,076.00	0.20	304.70	1,076.00	1.07	-1.54	-1.83	0.02	0.02	0.00	
1,202.00	0.40	140.20	1,202.00	0.86	-1.44	-1.66	0.47	0.16	-130.56	
1,329.00	2.00	85.30	1,328.97	0.70	1.05	0.71	1.42	1.26	-43.23	
1,455.00	1.90	88.00	1,454.89	0.95	5.33	4.57	0.11	-0.08	2.14	
1,581.00	2.60	69.00	1,580.80	2.05	10.08	8.55	0.80	0.56	-15.08	
1,708.00	2.60	67.30	1,707.67	4.19	15.43	12.68	0.06	0.00	-1.34	
1,835.00	2.50	64.10	1,834.54	6.51	20.58	16.56	0.14	-0.08	-2.52	
1,961.00	2.30	71.60	1,960.43	8.51	25.45	20.31	0.30	-0.16	5.95	
2,088.00	3.30	51.60	2,087.28	11.59	30.73	24.03	1.09	0.79	-15.75	
2,215.00	2.80	53.60	2,214.10	15.70	36.10	27.42	0.40	-0.39	1.57	
2,342.00	2.80	55.60	2,340.95	19.29	41.15	30.74	0.08	0.00	1.57	
2,468.00	2.70	51.60	2,466.80	22.87	46.02	33.88	0.17	-0.08	-3.17	





**Newsco international**  
Survey Report



<b>Company:</b>	CRESCENT POINT ENERGY CORP.	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Project:</b>	UINTAH COUNTY UT	<b>TVD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>MD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Ouray Valley State 10-36-5-19E	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
2,595.00	2.80	53.70	2,593.66	26.57	50.86	36.95	0.11	0.08		1.65
2,721.00	2.60	54.70	2,719.52	30.04	55.67	40.08	0.16	-0.16		0.79
2,848.00	2.70	50.10	2,846.38	33.62	60.32	43.02	0.18	0.08		-3.62
2,974.00	2.40	58.40	2,972.26	36.91	64.84	45.96	0.38	-0.24		6.59
3,101.00	2.80	74.10	3,099.13	39.15	70.09	49.96	0.64	0.31		12.36
3,227.00	2.60	75.00	3,224.99	40.74	75.81	54.65	0.16	-0.16		0.71
3,354.00	2.50	72.50	3,351.86	42.31	81.24	59.07	0.12	-0.08		-1.97
3,481.00	2.70	93.30	3,478.73	42.98	86.86	64.02	0.75	0.16		16.38
3,607.00	2.30	93.80	3,604.61	42.64	92.35	69.22	0.32	-0.32		0.40
3,734.00	2.70	80.50	3,731.49	42.96	97.84	74.18	0.55	0.31		-10.47
3,860.00	2.20	79.20	3,857.38	43.90	103.14	78.73	0.40	-0.40		-1.03
3,986.00	2.90	72.00	3,983.25	45.34	108.55	83.18	0.61	0.56		-5.71
4,113.00	3.00	77.00	4,110.09	47.08	114.85	88.34	0.22	0.08		3.94
4,239.00	3.10	77.60	4,235.91	48.56	121.39	93.83	0.08	0.08		0.48
4,366.00	2.80	78.50	4,362.74	49.91	127.78	99.23	0.24	-0.24		0.71
4,492.00	2.90	77.30	4,488.58	51.23	133.90	104.40	0.09	0.08		-0.95
4,619.00	2.70	79.70	4,615.43	52.47	139.98	109.55	0.18	-0.16		1.89
4,745.00	2.60	85.00	4,741.30	53.25	145.75	114.59	0.21	-0.08		4.21
4,871.00	2.20	79.90	4,867.19	53.92	150.98	119.17	0.36	-0.32		-4.05
4,998.00	2.40	94.20	4,994.08	54.15	156.03	123.75	0.48	0.16		11.26
5,124.00	2.60	100.20	5,119.97	53.45	161.47	129.05	0.26	0.16		4.76
5,251.00	2.80	103.90	5,246.82	52.20	167.32	134.94	0.21	0.16		2.91
5,377.00	2.80	104.90	5,372.67	50.67	173.28	141.03	0.04	0.00		0.79
5,504.00	2.90	111.00	5,499.52	48.72	179.28	147.32	0.25	0.08		4.80
5,630.00	2.40	111.60	5,625.38	46.61	184.70	153.15	0.40	-0.40		0.48
5,755.00	2.30	111.80	5,750.28	44.71	189.47	158.27	0.08	-0.08		0.16
5,883.00	2.00	123.10	5,878.19	42.54	193.72	163.03	0.40	-0.23		8.83
6,010.00	2.70	121.60	6,005.08	39.76	198.13	168.16	0.55	0.55		-1.18
6,136.00	2.30	133.20	6,130.96	36.47	202.50	173.46	0.51	-0.32		9.21
6,262.00	1.80	134.40	6,256.88	33.36	205.76	177.65	0.40	-0.40		0.95
6,389.00	1.50	136.00	6,383.83	30.77	208.33	181.02	0.24	-0.24		1.26
6,515.00	1.60	144.30	6,509.78	28.15	210.51	184.03	0.19	0.08		6.59
6,642.00	1.40	138.20	6,636.74	25.56	212.58	186.93	0.20	-0.16		-4.80
6,768.00	1.20	146.80	6,762.70	23.30	214.32	189.40	0.22	-0.16		6.83
6,895.00	1.10	138.00	6,889.68	21.29	215.87	191.59	0.16	-0.08		-6.93
7,021.00	1.40	136.70	7,015.65	19.27	217.73	194.09	0.24	0.24		-1.03
7,148.00	1.30	143.90	7,142.61	16.97	219.65	196.73	0.15	-0.08		5.67
7,274.00	0.90	161.50	7,268.59	14.88	220.80	198.59	0.41	-0.32		13.97
7,401.00	1.10	165.80	7,395.57	12.75	221.42	199.97	0.17	0.16		3.39
7,527.00	1.70	154.40	7,521.53	9.89	222.52	202.08	0.52	0.48		-9.05
7,655.00	1.40	164.10	7,649.49	6.68	223.77	204.45	0.31	-0.23		7.58
7,782.00	1.50	165.30	7,776.45	3.58	224.62	206.41	0.08	0.08		0.94
7,908.00	1.70	168.40	7,902.40	0.15	225.41	208.45	0.17	0.16		2.46
8,035.00	1.80	165.80	8,029.34	-3.63	226.28	210.69	0.10	0.08		-2.05
8,161.00	2.00	160.90	8,155.27	-7.62	227.48	213.32	0.20	0.16		-3.89
8,288.00	1.90	162.60	8,282.19	-11.73	228.84	216.13	0.09	-0.08		1.34
8,415.00	2.20	158.40	8,409.11	-16.00	230.37	219.17	0.26	0.24		-3.31
8,541.00	2.40	160.70	8,535.01	-20.74	232.13	222.60	0.17	0.16		1.83
8,667.00	2.50	161.70	8,660.90	-25.84	233.86	226.14	0.09	0.08		0.79
8,794.00	2.80	164.00	8,787.76	-31.45	235.59	229.87	0.25	0.24		1.81
8,920.00	3.30	166.80	8,913.58	-37.94	237.26	233.89	0.41	0.40		2.22
9,047.00	3.00	166.30	9,040.39	-44.73	238.89	237.97	0.24	-0.24		-0.39
9,174.00	2.60	164.70	9,167.24	-50.73	240.43	241.68	0.32	-0.31		-1.26
9,300.00	2.70	161.90	9,293.10	-56.31	242.11	245.35	0.13	0.08		-2.22



<b>Company:</b>	CRESCENT POINT ENERGY CORP.	<b>Local Co-ordinate Reference:</b>	Well Ouray Valley State 10-36-5-19E
<b>Project:</b>	UINTAH COUNTY UT	<b>TVD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Site:</b>	Ouray Valley State 10-36-5-19E	<b>MD Reference:</b>	WELL @ 5267.00ft (capstar 328)
<b>Well:</b>	Ouray Valley State 10-36-5-19E	<b>North Reference:</b>	True
<b>Wellbore:</b>	Ouray Valley State 10-36-5-19E	<b>Survey Calculation Method:</b>	Minimum Curvature
<b>Design:</b>	Ouray Valley State 10-36-5-19E	<b>Database:</b>	EDM 5000.1 Single User Db

Survey										
Measured Depth (ft)	Inclination (°)	Azimuth (°)	Vertical Depth (ft)	+N/-S (ft)	+E/-W (ft)	Vertical Section (ft)	Dogleg Rate (°/100usft)	Build Rate (°/100usft)	Turn Rate (°/100usft)	
9,427.00	2.80	165.10	9,419.96	-62.15	243.84	249.17	0.14	0.08	2.52	
9,553.00	2.80	168.70	9,545.81	-68.14	245.23	252.73	0.14	0.00	2.86	
9,680.00	2.60	171.60	9,672.67	-74.04	246.26	255.92	0.19	-0.16	2.28	
9,806.00	2.30	167.30	9,798.55	-79.33	247.23	258.83	0.28	-0.24	-3.41	
9,934.00	2.40	165.80	9,926.44	-84.43	248.45	261.90	0.09	0.08	-1.17	
10,062.00	2.60	169.90	10,054.32	-89.89	249.62	265.06	0.21	0.16	3.20	
10,190.00	2.40	172.40	10,182.20	-95.40	250.48	267.95	0.18	-0.16	1.95	
<b>LAST SVY</b>										
10,315.00	2.60	178.00	10,307.08	-100.83	250.93	270.42	0.25	0.16	4.48	
<b>PROJ SVY</b>										
10,365.00	2.60	178.00	10,357.03	-103.10	251.01	271.36	0.00	0.00	0.00	

Design Targets										
Target Name	Dip Angle (°)	Dip Dir. (°)	TVD (ft)	+N/-S (ft)	+E/-W (ft)	Northing (usft)	Easting (usft)	Latitude	Longitude	
- hit/miss target										
- Shape										
PBHL Ouray Valley State	0.00	0.00	10,365.00	14.20	307.20	7,296,276.28	2,132,022.92	40° 20' 12.685 N	109° 44' 10.911 W	
- survey misses target center by 130.31ft at 10365.00ft MD (10357.03 TVD, -103.10 N, 251.01 E)										
- Rectangle (sides W400.00 H400.00 D0.00)										

Survey Annotations					
Measured Depth (ft)	Vertical Depth (ft)	Local Coordinates			
		+N/-S (ft)	+E/-W (ft)	Comment	
10,315.00	10,307.08	-100.83	250.93	LAST SVY	
10,365.00	10,357.03	-103.10	251.01	PROJ SVY	

Checked By: \_\_\_\_\_ Approved By: \_\_\_\_\_ Date: \_\_\_\_\_

<b>STATE OF UTAH</b> DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		<b>FORM 9</b>
<b>SUNDRY NOTICES AND REPORTS ON WELLS</b>  Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		<b>5. LEASE DESIGNATION AND SERIAL NUMBER:</b> ML-50608
<b>1. TYPE OF WELL</b> Oil Well		<b>6. IF INDIAN, ALLOTTEE OR TRIBE NAME:</b>
<b>2. NAME OF OPERATOR:</b> CRESCENT POINT ENERGY U.S. CORP		<b>7. UNIT or CA AGREEMENT NAME:</b> OURAY VALLEY
<b>3. ADDRESS OF OPERATOR:</b> 555 17th Street, Suite 750 , Denver, CO, 80202		<b>8. WELL NAME and NUMBER:</b> Ouray Valley State 10-36-5-19E
<b>4. LOCATION OF WELL</b> <b>FOOTAGES AT SURFACE:</b> 1975 FSL 2286 FEL <b>QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN:</b> Qtr/Qtr: NWSE Section: 36 Township: 05.0S Range: 19.0E Meridian: S		<b>9. API NUMBER:</b> 43047540470000
<b>PHONE NUMBER:</b> 720 880-3621 Ext		<b>9. FIELD and POOL or WILDCAT:</b> UNDESIGNATED
<b>COUNTY:</b> UINTAH		<b>STATE:</b> UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
<b>TYPE OF SUBMISSION</b>	<b>TYPE OF ACTION</b>	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input checked="" type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion: 4/6/2015	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input type="checkbox"/> DRILLING REPORT Report Date:	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input checked="" type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> CHANGE WELL NAME	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> CONVERT WELL TYPE	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> NEW CONSTRUCTION	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PLUG BACK	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> RECOMPLETE DIFFERENT FORMATION	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TEMPORARY ABANDON	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER DISPOSAL	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER: <span style="border: 1px solid black; display: inline-block; width: 100px; height: 15px;"></span>	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Please see attached application to commingle production formations for the Ouray Valley State 10-36-5-19E		
<b>Approved by the</b> <b>May 02, 2015</b> <b>Oil, Gas and Mining</b>		
<b>Date:</b> _____		
<b>By:</b> <u>Derek Duff</u>		
<b>NAME (PLEASE PRINT)</b> Valari Cray		<b>PHONE NUMBER</b> 303 880-3637
<b>SIGNATURE</b> N/A		<b>TITLE</b> Drilling And Completion Tech
		<b>DATE</b> 4/6/2015



April 2, 2015

Utah Division of Oil, Gas & Mining  
Attention: Dustin Doucet  
1594 West North Temple, Suite 1120  
Salt Lake City, Utah 84116

RE: Sundry Notices  
Ouray Valley State 10-36-5-19E  
Uintah County, UT

Dear Mr. Doucet:

Crescent Point Energy has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the subject well. Pursuant to the Utah OGM regulations, we have enclosed a copy of the Sundry Notice, a plat showing the owners of contiguous leases, as well as an affidavit confirming notice.

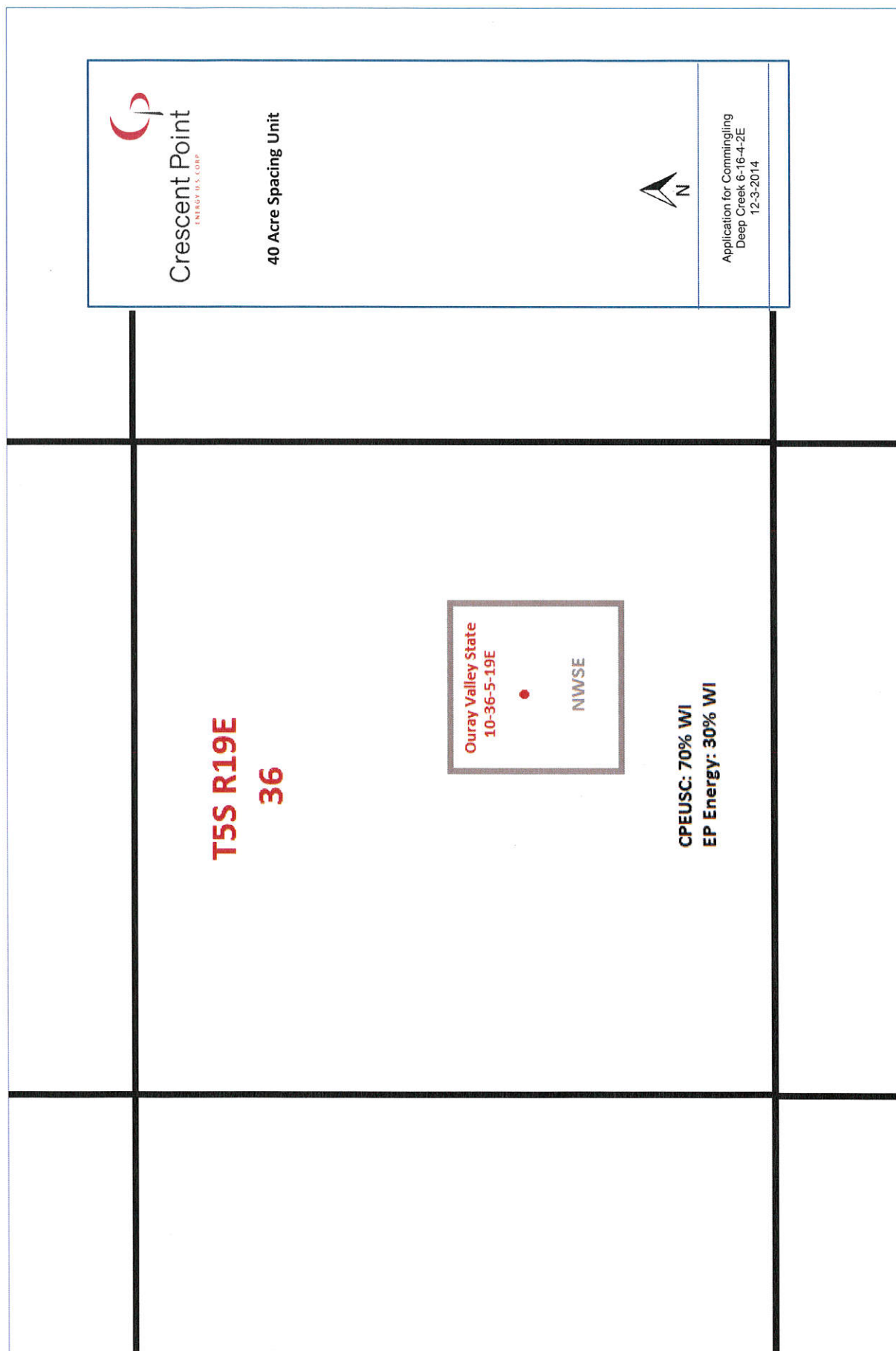
If you should have any questions regarding these Sundry Notices, please feel free to contact me at 303-382-6794.

Sincerely,

A handwritten signature in black ink, appearing to read 'Andrew M. Stone', with a stylized flourish at the end.

Andrew M. Stone  
Land Consultant

Enclosures





In accordance with Utah Division of Oil, Gas, and Mining's Rule 649-3-22, Completion Into Two Or More Pools, Crescent Point Energy is submitting this sundry to request commingling approval for the Wasatch and Green River formations based on the following conclusions:

- Oil and associated gas compositions are similar across all formations.
- The respective well is located within a 40-acre unspaced unit
- The pressure profile across the formations is similar and Crescent Point Energy does not anticipate any cross flow.
- Following commingling, production will be considered to be from one pool.
- In the event that allocation by zone or interval is required, Crescent Point Energy would use representative sampling obtained from production logs and allocate on a percentage basis by zone or interval.

A letter, an affidavit(s) of notice, and plat are attached.

**AFFIDAVIT OF NOTICE**

Andrew M. Stone, of lawful age, after having first duly sworn upon his oath, disposes and states:

That he is employed by Crescent Point Energy U.S. Corp. ("Crescent Point") as a Land Consultant. Crescent Point has submitted Sundry Notices to commingle production from the Wasatch and Green River formations in the following well within the Randlett Exploration and Development Agreement Area:

Ouray Valley State 10-36-5-19E: NWSE Section 36 T5S-R19E

That in compliance with the Utah OGM regulation R649-3-22, I have provided a copy of the Sundry Notice, via certified mail, to the owners (see listed below) of all contiguous oil and gas leases or drilling units overlying the pool.

EP Energy  
ATTN: Land Manager  
1001 Louisiana St.  
Houston, TX 77002

Date: April 2, 2015

Affiant

A handwritten signature in black ink, appearing to read 'A. Stone', written over a horizontal line.

Andrew M. Stone  
Land Consultant



# United States Department of the Interior

## BUREAU OF LAND MANAGEMENT

Utah State Office

440 West 200 South, Suite 500

Salt Lake City, UT 84101-1345

<http://www.blm.gov/ut/st/en.html>



IN REPLY REFER TO:

3180 (UTU84716X)

UT-922000

JUN 19 2015

Ms. Nicole Bailey  
Crescent Point Energy US Corp.  
555 17<sup>th</sup> Street, Suite 1800  
Denver, Colorado 80202

Re: Automatic Contraction  
Ouray Valley Unit *See attached list*  
Uintah County, Utah

Dear Ms. Bailey:

Your letter of June 17, 2015, describes the lands automatically eliminated effective December 31, 2014, from the Ouray Valley Unit Area, located in Uintah County, Utah, pursuant to Section 2(e) of the unit agreement and requests our concurrence. The lands you have described contain 7,535.53 acres more or less, and constitute all legal subdivisions, no parts of which are included in the Wasatch-Green River Participating Area. As a result of the automatic contraction, the unit is reduced to 160.00 acres.

The following Federal Leases are entirely eliminated from the unit area:

UTSL065557 *	UTU79127*
UTU4377*	UTU85213
UTU76260	UTU85214
UTU76261	UTU85487
UTU78446	UTU85768*

\*Indicates non-committed lease

The following Federal Leases are partially eliminated from the unit area:

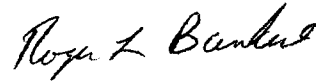
UTU75673

UTU76259

You have complied with the requirements of Section 2(e), provided you promptly notify all interested parties.

If you have any questions, please contact Judy Nordstrom at (801) 539-4108.

Sincerely,

A handwritten signature in cursive script, appearing to read "Roger L. Bankert".

Roger L. Bankert  
Chief, Branch of Minerals

Enclosure

cc: UDOGM  
SITLA  
ONRR w/Exhibit "B" (Attn: Curtis Link)  
BLM FOM - Vernal w/enclosure

Well Removed From Unit Effective 6/17/2015

WELL_NAME	API	SECTION	TOWNSHIP	RANGE	ENTITY	UNIT_NAME
OURAY VLY FED 3-41	4304738932	03	060S	190E	18647	OURAY VALLEY
OURAY VLY ST 36-11-5-19	4304739641	36	050S	190E	16933	OURAY VALLEY
OURAY VLY ST 36-11-5-19	4304739641	36	050S	190E	16933	OURAY VALLEY
OURAY VLY FED 1-22-6-19	4304739643	01	060S	190E	18857	OURAY VALLEY
OURAY VLY FED 1-42-6-19	4304739644	01	060S	190E	18858	OURAY VALLEY
Ouray Valley State 10-36-5-19E	4304754047	36	050S	190E	19703	OURAY VALLEY
Ouray Valley State 12-36-5-19E	4304754053	36	050S	190E	19704	OURAY VALLEY
Ouray Valley State 12-36-5-19E	4304754053	36	050S	190E	19704	OURAY VALLEY